

Memorandum of Understanding for ECVET-BUD Project Between The Partners of the project concerning using of ECVET model elaborated within the project

The partners of the project, i.e. Towarzystwo Naukowe Organizacji i Kierownictwa Oddział w Gdańsku (PL), Instytut Technologii Eksploatacji – Państwowy Instytut Badawczy (PL), Związek Zawodowy „Budowlani” (PL), Training 2000 (IT), ENAIP (IT), ECAP Foundation (CH), hereinafter referred to as the „Parties”.

CONFIRMING the ties existing between the institutions forming the partnership;

RECOGNIZING the importance of enhancing of cooperation in order to strengthen the value and transparency of qualifications in the building and construction industry;

DESIRING to strengthen and broaden cooperation and understanding towards accreditation, accumulation, transfer and recognition of achievements in education between European Member-States and Partner countries; and

PURSUANT to the prevailing laws and regulation of their respective countries;

HAVE AGREED AS FOLLOWS:

Article I. GENERAL PROVISIONS

1. This Memorandum of Understanding provides the framework within which detailed proposals of cooperation in organized mobility learning and training are to be considered between the Parties on the basis of mutual benefit and reciprocity;
2. The Parties will endeavor to encourage and facilitate, as appropriate, the developments of cooperative undertakings between stakeholders and other entities of Parties' countries;
3. The Parties are therefore interested in improving of exchange of information, communication and collaboration regarding the various national systems of vocational education in the construction industry. They are also interested in the learning content and further development of skills, knowledge and competence, new forms of working processes, new technologies used in the sector and the combination of these within a particular form of work-organization in the construction companies.
4. Parties express the hope that the agreement will facilitate employees to acquire skills through their professional life, in the paths of learning: formal, informal and non-formal; and make the process of validation and recognition of competences by employers from partner countries easier.

Article II. DEFINITIONS

For the purposes of the Memorandum of Understanding - MoU, the definitions which apply are the following:

- a) "**Qualification**": a formal outcome of an assessment and validation process which is obtained when a competent institution determines that an individual has achieved learning outcomes to given standards;
- b) "**Learning outcomes**": statements of what a learner knows, understands and is able to do on completion of a learning process and which are defined in terms of knowledge, skills and competence;
- c) "**Unit of learning outcomes**" (unit): a component of a qualification, consisting of a coherent set of knowledge, skills and competence, that can be assessed and validated;
- d) „**Element of learning outcomes**” - the part of the unit of learning outcomes which is a compact collection of knowledge, skills and competences, which may be assessed and validated to confirm achievements within the frame of this unit of learning outcomes.
- e) "**Credit for learning outcomes**" (Credit): individuals' set of learning outcomes which have been assessed and which can be accumulated towards a qualification or transferred to other learning programmes or qualifications;
- f) "**Competent institution**": the institution which is responsible for designing and awarding qualification or recognising units or other functions linked to ECVET, such as allocation of ECVET points to qualifications and units, assessment, validation and recognition of learning outcomes, under the rules and practices of participating countries;
- g) "**Assessment of learning outcomes**": methods and processes used to establish the extent to which a learner has in fact attained particular knowledge, skills and competence;
- h) "**Validation of learning outcomes**": the process of confirming that certain assessed learning outcomes achieved by a learner correspond to specific outcomes which may be required for a unit or a qualification;
- i) "**Recognition of learning outcomes**": the process of attesting officially achieved learning outcomes through the awarding of units or qualifications;
- j) "**ECVET points**": a numerical representation of the overall weight of learning outcomes in a qualification and of the relative weight of units in relation to the qualification;
- k) "**Training provider**": Any university/school/VET institution or a company directly involved in the organization and sending students or employees on mobility trainings;
- l) "**Hosting institution**": Any university/school/VET institution or a company directly involved in hosting of students or employees during mobility trainings.

Article III. FIELDS OF COOPERATION

To improve the quality of vocational education structures and practices within the European construction industry and promote the mutual recognition of agreed levels of qualifications, independently of the way this qualification has been gained in formal, non-formal and informal path, and to foster greater flexibility of qualifications and the homogeneity of assessment and quality assurance systems, the present Memorandum of Understanding (MoU) establishes that each Party:

- Supports recognition of the ECVET-BUD transfer of ECVET elaborated model
- Agrees on the MoU fields of activity and implementation measures
- Supports the establishment of a network for the implementation the ECVET-BUD model
- Identifies other stakeholders and competent institutions to involve in the process and
- Supports ongoing work on the ECVET-BUD model and the extension of the concept to possible further qualifications in the sector.

Two attachments to this Memorandum of Understanding, namely:

1. Mutually agreed professional competences and units of learning outcomes in regard to 5 qualifications in the building and construction industry;
2. Mutually agreed common units of learning outcomes with assigned ECVET credits

are the integral part of this Memorandum of Understanding. By signing this Memorandum of understanding the Parties agree to use this documents for the purpose of future cooperation in the field of organization of trainings. The Parties declare that each future training will demand separate Learning Agreement to be signed between respective parties.

The Parties agree in principal with calculated ECVET credits. Having in mind the differences in the vocational education and training systems the Parties agree that in case of certain distinguished common units of learning outcomes the divergences in the educational systems are excessively great, what is visible in varied length of the learning time needed for the acquisition of specific units of learning outcomes. Hence the ECVET credits calculated for units of learning outcomes (and elements of learning outcomes) can be significantly different in case of individual VET systems.

That is why the Parties declare that where is the mutual trust between the Parties in respect to acknowledgement of ECVET credits accredited to respective units/element of learning outcomes and that the quality assurance measures in regard to assessment and validation procedures will be kept in the future.

Article IV. FORMS OF COOPERATION

Forms of cooperation envisaged under this Memorandum of Understanding include:

- a) Exchange of information concerning the evaluating of the national structures of vocational education in the construction sector with basic information on the systems;
- b) Disseminate jointly the project results and concepts in all EU-member states via social dialogue structures, VET providers co-operation structures and co-operation with national administrative and decisive structures;
- c) Support the idea of a sector skills council for the construction industry by attracting further countries and stakeholders from the field of vocational training and to discuss/develop with them the basic concept of transfer of vocational competences i Europe;
- d) Support the idea of Sectoral Qualifications Frameworks as a common basis for qualifications comparison;
- e) Support the idea of creation paritarian structures attracting and involving into co-operation employers and employees representatives as well as VET operators in the process of transfer of achievements and mutual recognition of qualifications in the construction industry;
- f) Support the idea of creation of zones of mutual trust using the project results in VET practice;

Article V. IMPLEMENTATION

1. The Parties have worked out and agrees the following activities to implement this Memorandum of Understanding:
 - The use of methodological model which provides transparency and allows easier comparison of the existing qualifications for the construction industry in the countries involved in the ECVET-BUD project;
 - The use of description of the chosen learning outcomes units/elements of learning outcomes, including the description of the qualification in terms of knowledge, skills and competence.
 - The use of ECVET-BUD model of ECVET credit accumulation, transfer and recognition between the Parties;

- The use of ECVET-BUD model which is applicable to formal, non-formal and informal learning paths.
- 2. The Parties agree that the ECVET-BUD model supports the mutual recognition of credits for basic qualifications on the level 3 in the construction industry. They will promote the model at regional, national and trans-national level.
- 3. In this respect Parties consider the ECVET-BUD concept as supportive of the process of mutual recognition of qualifications throughout Europe and namely as supporting the implementation of European Directive 2005/36 (revised), the ECVET-BUD model is based on a voluntary approach and on the involvement of social partners and stakeholders in the sector concerned.
- 4. The ECVET-BUD project and its close connection to the European Social Dialogue for the construction industry is considered as a contribution to fostering cross border collaboration between the various stakeholders in the field of vocational training and is also considered as an important point for the establishment of a platform for competences recognition in the industry.

Article VI. THE ROLES OF PARTIES

The Parties herewith declare their roles they can play within the frame of this Memorandum of understanding:

Partner	Training provider	Hosting institution	Assessment	Validation	Recognition	Sectoral social partner
TNOiK O/Gdańsk	X			X		
ITeE-PIB			X	X		
ZZ "Budowlani"	X		X	X		X
Training 2000	X		X	X		
ENAIP	X	X	X*			
ECAP	X		X	X		

(* via EffePi partners in the construction sector)

Article VII. SETTLEMENT OF DISPUTES

Any dispute between the Parties arising out of the interpretation or implementation of this Memorandum of Understanding shall be settled amicably by consultations or negotiations.

Article VIII. AMENDMENT

This Memorandum of Understanding can be revised or amended at any time by mutual written consent of the parties. Such revisions or amendments shall enter into force on such date as may be determined by the Parties, and shall form an integral part of this Memorandum of Understanding.

Article IX. ENTRY INTO FORCE, DURATION AND TERMINATION

- 1. This Memorandum of Understanding shall enter into force on the date of the latest written notification by the Parties, indicating that the internal procedure for its entry into force have been complied with.
- 2. This Memorandum of Understanding shall be valid for a period of 3 (three) years and be automatically renewed for similar periods unless either Party notifies in writing of its intention to denounce this Memorandum of Understanding six (6) months prior to its expirations.
- 3. The termination of this Memorandum of Understanding shall not affect the validity and duration of any arrangement made under this Memorandum of Understanding.

IN WITNESS WHEREOF, the undersigned, being duly authorized, have signed this Memorandum of Understanding.

DONE in duplicate of 6 copies at Warsaw, Poland on 30th January 2015 in English.

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TNOiK O/Gdańsk

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ITeE-PIB

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ZZ "Budowlani"

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Training 2000

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ENAIIP

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ECAP Foundation

Annexes

- **The set of professional competences and units of learning outcomes in regard to 5 qualifications in the building and construction industry**
- **The list of common units of learning outcomes with assigned ECVET credits**

ANNEX 1

The set of professional competences and units of learning outcomes in regard to 5 qualifications in the building and construction industry

3.1. Occupation: Roofer 712101

3.1.1. Qualification B.12. Carrying out roof work¹

FORMAL EDUCATION

Table 1a.

WORK PROCESS DESCRIPTORS		COMMON SET OF LEARNING OUTCOMES		
KEY ACTIVITY	COMPONENT ACTIVITY	UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Demolition of a building or its part	Conducting works related to renovation and demolition of roofing	Installation and demolition of roofing	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none">– Foresees risks to human health and life and property and the environment associated with execution of tasks professional– Identify the hazards associated with the presence of harmful environmental factors in the workplace– Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection

¹ The letter "B" means the area of education: "construction (B)"

			<ul style="list-style-type: none"> - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
		Preparing for the installation and demolition of roofing	<ul style="list-style-type: none"> - Distinguishes types and elements of roof structure - Distinguishes roofing types - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning roofing construction - Selects and prepares materials, tools and equipment to roofing construction and demolition
Roofing construction	Roofing insulation construction	Conducting works related to renovation and demolition of roofing	<ul style="list-style-type: none"> - Carries out works related to repair and demolition of roofing - Assesses quality of roofing's workmanship
	Construction of roofing in various structures and shapes	Roofing insulation construction	<ul style="list-style-type: none"> - Installs roofing insulations - Assesses quality of roofing's workmanship
		Construction of roofing in various structures and shapes	<ul style="list-style-type: none"> - Installs roofing screeds - Installs roofing in various structures and shapes - Assesses quality of roofing's workmanship

ATTRIBUTES	PERSONAL AND SOCIAL COMPETENCES
<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility - Emotional balance 	<ul style="list-style-type: none"> - Observes principles of propriety and ethics - Is creative and consistent in task performance - Foresees results of taken actions - Is open to changes - Can deal with stress - Updates knowledge and improves professional skills - Observes professional secrecy - Is able to bear responsibility for taken actions - Is able to negotiate terms of agreements - Cooperates in a team

NON-FORMAL AND INFORMAL EDUCATION

Table 1b.

WORK PROCESS DESCRIPTORS		
UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Carrying out roof work and roof slope drainage	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace

		<ul style="list-style-type: none"> - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
	<p>Preparation of drawings concerning roof work and elements of roof slope drainage</p>	<ul style="list-style-type: none"> - Use of project documentation, technical specifications concerning carrying out and accepting works, standards and instructions concerning roof work and roof slope drainage - Preparation of drawings and drafts concerning roof work and elements of roof slope drainage - Preparation of a bill of quantities related to construction and demolition of roof work and roof slope drainage, calculation of costs of their carrying out - Application of software supporting roof tasks performance - Carrying out works related to preparation of a sheet metal to process it - Carrying out and installing roof works - Mounting roof works to specific building components
	<p>Selection and preparation of materials, tools and devices to carry out roof work and roof slope drainage</p>	<ul style="list-style-type: none"> - Differentiation and selection of elements of roof slope drainage systems - Selection of materials to carry out roof work and roof slope drainage - Preparation of materials to construct roofing undercoats - Selection of roof windows, skylights and exits - Use of roof work devices and tools according to operating rules
	<p>Installation of roof slope drainage elements</p>	<ul style="list-style-type: none"> - Performance of a quantity survey related to construction and demolition of roof work and roof slope drainage, preparation of works clearance - Fitting elements of roof slope drainage - Fitting gutters, rainwater pipes and roof drains

		<ul style="list-style-type: none">- Quality assessment of the workmanship of roof work and roof slope drainage
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PERSONAL AND SOCIAL COMPETENCES	<ul style="list-style-type: none">- Updates knowledge and improves professional skills- Foresees results of taken actions- Is able to bear responsibility for taken actions- Cooperation in a team- Flexibility- Emotional balance
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3.2. Occupation: Fitter and Finisher in the Construction Industry 712905

3.2.1. Qualification B.5. Drywall system installation

FORMAL EDUCATION

Table 2a.

WORK PROCESS DESCRIPTORS		COMMON SET OF LEARNING OUTCOMES		
KEY ACTIVITY	COMPONENT ACTIVITY	UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Installation of plaster-boards	Recognition of materials applied in drywall partition systems	Installation of partition walls, suspended ceilings and housing of roof	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace

		structures in drywall systems		<ul style="list-style-type: none"> - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
			<p>Preparing for the installation of partition walls, suspended ceilings and housing of roof structures in drywall systems</p>	<ul style="list-style-type: none"> - Distinguishes types of interior drywall systems - Distinguishes insulation types of partition walls, suspended ceilings and housing of roof structures, as well as observes rules of their performance - Uses project documentation, technical specifications of performance and acceptance of works, standards, catalogues and instructions concerning installation of partition walls, suspended ceilings and housing of roof structures in a drywall system - Chooses and prepares materials to install partition walls, suspended ceilings and housing of roof structures in a drywall system - Chooses and prepares tools and equipment to install partition walls, suspended ceilings and housing of roof structures in a drywall system - Indicates the assembly station of drywall elements - Chooses technologies of drywall element assembly
	<p>Installation of partition wall systems</p>		<p>Installation of partition wall in a drywall system</p>	<ul style="list-style-type: none"> - Carries out ancillary works related to installation of partition walls in a drywall system - Carries out partition walls in a drywall system - Carries out insulation of partition walls in a drywall system

				<ul style="list-style-type: none"> - Recognises types of damages concerning partition walls in a drywall system and chooses a way to repair them - Carries out works related to repair of damaged elements of partition walls in a drywall system - Assesses quality concerning the workmanship of partition walls in a drywall system
	Installation of suspended ceiling systems		Installation of suspended ceilings and housing of roof structures in a drywall system	<ul style="list-style-type: none"> - Carries out ancillary works related to installation of suspended ceilings and housing of roof structures in a drywall system - Carries out suspended ceilings and housing of roof structures in a drywall system - Carries out insulation of suspended ceilings and housing of roof structures in a drywall system - Recognises types of damages concerning suspended ceilings and housing of roof structures in a drywall system and chooses a way to repair them - Carries out works related to repair of damaged elements of suspended ceilings and housing of roof structures in a drywall system - Assesses quality concerning the workmanship of suspended ceilings and housing of roof structures in a drywall system

ATTRIBUTES	PERSONAL AND SOCIAL COMPETENCES
<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions 	<ul style="list-style-type: none"> - Observes principles of propriety and ethics - Is creative and consistent in task performance - Foresees results of taken actions - Is open to changes - Can deal with stress - Updates knowledge and improves professional skills

<ul style="list-style-type: none"> - Cooperation in a team - Flexibility - Emotional balance 	<ul style="list-style-type: none"> - Observes professional secrecy - Is able to bear responsibility for taken actions - Is able to negotiate terms of agreements - Cooperates in a team
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NON-FORMAL AND INFORMAL EDUCATION

Table 2b.

WORK PROCESS DESCRIPTORS		
UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Installation of plasterboards	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work

	<p>Installation of wall covering systems</p>	<ul style="list-style-type: none"> - Preparation of a wall covering assembly stand - Preparation of a storage location for materials to install wall coverings - Preparation of a drywall base - Selection of proper drywall - Preparation and cut of boards to install drywall - Installation of drywall on masonries (direct) - Designation of a drywall plane - Designation of a place to mount covering holders on wall sections - Selection and assembly of sections to install drywall - Arrangement of insulation layers - Arrangement of coverings on wall sections - Installation of coverings to hide installations - Carrying out finishing works such as spackling, external corners treatment, cleaning boards - Application of principles of occupational health and safety, fire protection and environmental protection
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<p>PERSONAL AND SOCIAL COMPETENCES</p>	<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility - Emotional balance
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3.2.2. Qualification B.6. Carrying out painting and paper-hanging works

FORMAL EDUCATION

Table 3a.

WORK PROCESS DESCRIPTORS		COMMON SET OF LEARNING OUTCOMES		
KEY ACTIVITY	COMPONENT ACTIVITY	UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Painting interior and exterior walls	Coverage of surfaces and protection of objects against paint dropping	Carrying out painting work	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional

			<ul style="list-style-type: none"> - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
		Preparing for the carrying out painting work	<ul style="list-style-type: none"> - Distinguishes types of painting materials, defines their properties and application - Distinguishes base types and defines ways to prepare them for various kinds of paint coating - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out painting work - Chooses and prepares materials to carry out paint coatings in a specific technology - Chooses technologies of carrying out painting work - Chooses tools and equipment to carry out painting work
	Preparation of the first layer of paint for surfaces not painted before	Coverage of surfaces and protection of objects against paint dropping and prepares the base from different materials to apply paint coatings	<ul style="list-style-type: none"> - Prepares the base from different materials to apply paint coatings - Assesses quality of carrying out painting work
	Preparation of the first layer of distemper for surfaces painted before	Preparation of the first layer of paint (priming paint) for surfaces not painted before	<ul style="list-style-type: none"> - Carries out paint coatings - Assesses quality of carrying out painting work

	Painting surfaces with use of distemper		Painting surfaces with using various techniques (distemper, sponge roll, semi-permanent colour method, template pattern method, spray paint method)	<ul style="list-style-type: none"> - Carries out paint coatings - Decorates paint coatings with various methods - Assesses quality of carrying out painting work
	Painting with use of a sponge roll			
	Painting with the semi-permanent colour method			
	Painting with the template pattern method			
	Painting with the spray paint method			
			Repair and renovation of paint coatings	<ul style="list-style-type: none"> - Recognizes types of damages of coatings and chooses a way to repair them - Carries out works related to repair and renovation of paint coatings - Assesses quality of carrying out painting work

ATTRIBUTES	PERSONAL AND SOCIAL COMPETENCES
<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions 	<ul style="list-style-type: none"> - Observes principles of propriety and ethics - Is creative and consistent in task performance - Foresees results of taken actions - Is open to changes

<ul style="list-style-type: none"> - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility - Emotional balance 	<ul style="list-style-type: none"> - Can deal with stress - Updates knowledge and improves professional skills - Observes professional secrecy - Is able to bear responsibility for taken actions - Is able to negotiate terms of agreements - Cooperates in a team
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NON-FORMAL AND INFORMAL EDUCATION

Table 3b.

WORK PROCESS DESCRIPTORS		
UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Painting wooden and metal elements and surfaces	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection

		<ul style="list-style-type: none"> - Give first aid to victims of accidents at work
	Covering surfaces and other objects	<ul style="list-style-type: none"> - Installation of scaffolds, decks and ladders - Arrangement of materials protecting workstation against paint dropping - Pasting of blending tapes on surface parts that do not require painting (edges, doorframes, windows, etc.)
	Preparation of the first layer of paint to paint interior and exterior new not painted wooden surfaces	<ul style="list-style-type: none"> - Verification if no oily spots or resin rests are present on a painted surface - Application of a layer of flat colour on the surface - Grinding of the surface with a sanding sheet of medium category of granulation - Application and smoothening of an undercoat mix - Application of a layer of flat colour
	Preparation of the first layer of paint to paint interior and exterior painted wooden surfaces	<ul style="list-style-type: none"> - Verification if the surface does not shiver, paint does not go off or other defects do not appear - Scraping of shivering or cracked paint with use of paint scraper or electric grinder - Application of a layer of flat colour on the sanded surface - Application of an undercoat mix on the sanded surface - Application of a flat colour's layer on the surface impregnated with an undercoat mix
	Preparation of the first layer of paint on previously not painted metal surface	<ul style="list-style-type: none"> - Grinding of the surface to remove rust - Thorough cleaning of the surface to remove oily rests - Application of the antirust priming paint's layer - Application of the metal priming paint's layer
	Preparation of the first layer of old painted metal surface	<ul style="list-style-type: none"> - Verification if the surface does not shiver, paint does not go off, there is no rust or other defects - Grinding of the surface with brushing machines or grinders - Application of metal priming paint on ground surfaces - Application of the joint mix on ground surfaces

		<ul style="list-style-type: none"> - Grinding of the undercoat mix surface with a sanding sheet of medium category of granulation - Application of a priming paint after undercoat mix dries
	Painting metal and wooden surfaces	<ul style="list-style-type: none"> - Application of the first layer of flat colour - Grinding of the surface with fine sanding sheet - Application of the second layer of flat colour or light paint

PERSONAL AND SOCIAL COMPETENCES	<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility - Emotional balance
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3.2.3. Qualification B.7. Carrying out floor-covering works

FORMAL EDUCATION

Table 4a.

WORK PROCESS DESCRIPTORS	COMMON SET OF LEARNING OUTCOMES
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KEY ACTIVITY	COMPONENT ACTIVITY	UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
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Installation of floor screed	Preparation of a floor screed site	Carrying out floor work	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
			Preparing for the carrying out floor work	<ul style="list-style-type: none"> - Distinguishes types of floor materials and defines their properties - Defines ways to prepare bases for various types of floor - Distinguishes types of floor insulations and defines ways of their performance - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out floor work

				<ul style="list-style-type: none"> - Chooses and prepares materials to carry out floor work - Chooses tools and equipment to carry out floor work
	Distribution of a concrete mix		Preparation of the surface and insulating layers to complete floors of various materials	<ul style="list-style-type: none"> - Prepares bases to carry out floor from various materials - Carries out insulating layers of floors
	Installation of prefabricated screed from concrete slabs and plasterboards		Installation of floor screed	<ul style="list-style-type: none"> - Carries out floor screeds - Assesses quality of flooring work
	Installation of a screed from self-levelling mortar		Installation wooden floors	<ul style="list-style-type: none"> - Installation floors from wooden - Carries out protections for floor surface - Recognizes types of damages of floors and defines a way to repair them - Carries out works related to maintenance and repair of floors - Assesses quality of flooring work
Installation of wooden floors	Arrangement of floors from mosaic boards			
	Installation of floors from boards			
	Installation of floors from coniferous wood boards and glued			

	laminated boards			
Installation of polymer floorings	Installation of floors from plastic carpets			
	Installation of floors from fitted carpets			
	Installation of floors from resin and mineral compositions		Installation of polymer floors	<ul style="list-style-type: none"> - Installation polymer floors - Carries out protections for floor surface - Recognizes types of damages of floors and defines a way to repair them - Carries out works related to maintenance and repair of floors - Assesses quality of flooring work
Wall and floor tile laying	Removal of existing tiles from floors and walls		Floor tile laying	<ul style="list-style-type: none"> - Installation of floor tiles - Carries out protections for floor surface - Recognizes types of damages of floors and defines a way to repair them - Carries out works related to maintenance and repair of floors - Assesses quality of flooring work
	Planning and preparation to lay tiles			
	Laying tiles on a mortar			

	Laying floor tiles with use of an adhesive			
	Laying wall tiles with use of a mortar			
	Laying wall tiles with use of an adhesive			
	Joint insulation			
Installation of coverings	Base preparation	Carrying out covering work	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
			Preparing for the carrying out covering work	<ul style="list-style-type: none"> - Distinguishes types of coverings, defines their properties and application - Distinguishes base types and defines ways of their preparation for coverings

			<ul style="list-style-type: none"> - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out covering work - Chooses and prepares materials to carry out covering work - Chooses tools and equipment to carry out covering work
	Installation of stone coverings	Preparing the ground for the covering work	<ul style="list-style-type: none"> - Prepares the base to carry out coverings - Assesses quality of covering work
	Installation of wood coverings	Installation of coverings (tile, stone, Wood, boards, slats, polimer spatial elements)	<ul style="list-style-type: none"> - Installs coverings from various materials (tile, stone, Wood, boards, slats, polimer spatial elements) - Recognises types of damages of coverings and defines a way to repair them - Carries out works related to maintenance and repair of coverings made from various materials - Assesses quality of covering work
	Installation of coverings from boards, slats and polymer spatial elements		

ATTRIBUTES	PERSONAL AND SOCIAL COMPETENCES
<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility - Emotional balance 	<ul style="list-style-type: none"> - Observes principles of propriety and ethics - Is creative and consistent in task performance - Foresees results of taken actions - Is open to changes - Can deal with stress - Updates knowledge and improves professional skills - Observes professional secrecy - Is able to bear responsibility for taken actions - Is able to negotiate terms of agreements - Cooperates in a team

NON-FORMAL AND INFORMAL EDUCATION

- not identified non-formal and informal learning outcomes (learning outcomes are present in the formal system)

3.3. Occupation: Bricklayer-Plasterer 711204

3.3.1. Qualification B.18. Carrying out masonry and plastering works

FORMAL EDUCATION

Table 5a.

WORK PROCESS DESCRIPTORS		COMMON SET OF LEARNING OUTCOMES		
KEY ACTIVITY	COMPONENT ACTIVITY	UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Construction of walls from small-	Manual and mechanical preparation of a mortar	Carrying out grouts, mortars and concrete mixes	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace

sized elements				<ul style="list-style-type: none"> - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
			Preparing for the carrying out grouts, mortars and concrete mixes	<ul style="list-style-type: none"> - Distinguishes types of grouts and mortars, defines their properties and application - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out grouts, mortars and concrete mixes - Chooses contents of grouts, mortars and concrete mixes - Chooses tools and equipment to carry out grouts, mortars and concrete mixes
			Manual and mechanical preparation grouts, mortars and concrete mixes	<ul style="list-style-type: none"> - Prepares contents of grouts, mortars and concrete mixes - Carries out grouts, mortars and concrete mixes in accordance with a recipe - Assesses quality of the workmanship of grouts, mortars and concrete mixes
	Determination and preparation of a site to construct brick walls	Carrying out brick building structures	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace

				<ul style="list-style-type: none"> - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
			Preparing for the carrying out brick building structures	<ul style="list-style-type: none"> - Distinguishes types of brick building structures - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out brick building structures - Recognizes types of brick bonds in walls - Distinguishes types of building insulations and defines ways of their performance - Selects and prepares materials to carry out brick building structures - Chooses tools and equipment to carry out brick building structure
	Construction of load-bearing and partition walls		Determination and preparation of a site to construct brick walls, insulation of walls and other surfaces	<ul style="list-style-type: none"> - Carries out earthwork, insulation works, ancillary concrete and reinforcement works related to carrying out brick building structures - Assesses quality of carrying out masonry work
Insulation of walls and other surfaces	Application of insulation materials (damp-proof,		Construction of load-bearing, partition walls and	<ul style="list-style-type: none"> - Carries out brick walls, ceilings, lintels, roof, pillars, piers and chimneys - Carries out wall pointing and facing - Assesses quality of carrying out masonry work

	thermal, acoustic)		other elements of the building	
Plastering interior and exterior walls	Base preparation	Carrying out plasters	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
	Installation of traditional plasters			<ul style="list-style-type: none"> - Distinguishes types of plasters - Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out plasters - Chooses and prepares materials to carry out internal and external plasters - Recognises damage types of internal and external plasters and chooses ways of their repair - Chooses tools and equipment to carry out internal and external plasters
	Installation of gypsum plasters		Installation of traditional plasters	<ul style="list-style-type: none"> - Prepares the base to carry out internal and external traditional plasters - Carries out internal and external traditional plasters

	Installation of external plasters from a plastering mix on bases made of rock wool and styrofoam		<ul style="list-style-type: none"> - Takes actions related to finishing plastered surfaces and mounting ventilation grilles and other elements - Repairs internal and external traditional plasters - Assesses quality of carrying out plastering work
		Installation of gypsum plasters	<ul style="list-style-type: none"> - Prepares the base to carry out internal gypsum plasters - Carries out internal gypsum plasters - Takes actions related to finishing plastered surfaces and mounting ventilation grilles and other elements - Repairs internal gypsum plasters - Assesses quality of carrying out plastering work
		Installation of external plasters from a plastering mix on bases made of rock wool and styrofoam	<ul style="list-style-type: none"> - Prepares the base to carry out external plasters from a plastering mix on bases made of rock wool and styrofoam - Carries out external plasters from a plastering mix on bases made of rock wool and styrofoam - Takes actions related to finishing plastered surfaces and mounting ventilation grilles and other elements - Repairs external plasters from a plastering mix on bases made of rock wool and styrofoam - Assesses quality of carrying out plastering work

ATTRIBUTES	PERSONAL AND SOCIAL COMPETENCES
<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility 	<ul style="list-style-type: none"> - Observes principles of propriety and ethics - Is creative and consistent in task performance - Foresees results of taken actions - Is open to changes - Can deal with stress - Updates knowledge and improves professional skills - Observes professional secrecy

<ul style="list-style-type: none"> - Emotional balance 	<ul style="list-style-type: none"> - Is able to bear responsibility for taken actions - Is able to negotiate terms of agreements - Cooperates in a team
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NON-FORMAL AND INFORMAL EDUCATION

Table 5b.

WORK PROCESS DESCRIPTORS		
UNITS OF LEARNING OUTCOMES	COMPONENT OF LEARNING OUTCOMES	SKILLS AND KNOWLEDGE
Planning, organisation and coordination of works on the construction site	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
	Organisation and preparation of the construction site	<ul style="list-style-type: none"> - Inspection of the construction site and verification of the course of underground installations - Determination of the construction site bounds

		<ul style="list-style-type: none"> - Fencing and signage of the construction site - Construction of internal roads on the construction site - Organisation of the administrative and social facility - Supplying the construction site with water and electricity - Organisation of production stations and warehouses
	Workplace protection	<ul style="list-style-type: none"> - Identification of dangers, assessment and control of risk, i.e. Noise, electric safety, road traffic, working at heights, objects falling down, use of electricity and devices, application of hazardous substances (including asbestos) - Workplace organisation in accordance with occupational health and safety principles, prevention and application of principles of fire protection, environmental protection and giving first aid - Establishment of procedures in case of accident
	Installation and de-installation of scaffolds for construction works	<ul style="list-style-type: none"> - Verification of technical requirements - Selection of a scaffold which type corresponds with conducted works - Establishment if proper materials to construct a scaffold have been selected - Installation of the first level of scaffolds - Elevation and mounting of scaffold elements - Arrangement of boards on horizontal trusses creating a platform - Installation of metal scaffold from systemic elements - Verification of the correctness of scaffolds' installation - Protection of scaffolds according to principles of occupational health and safety - De-installation of scaffolds after completion of works
Demolition of a building or its part	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace

Laying building foundations		<ul style="list-style-type: none"> - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
	Carrying out demolition works with use of manual devices	<ul style="list-style-type: none"> - Identification of construction and non-construction elements of buildings to be demolished - Implementation of demolition with use of manual pneumatic hammers, oxy-acetylene blowpipe and other manual devices - Disconnection of the building from water and sewage system, gas system and electric system - Disassembly of systems - Commencement of a demolition from the roof, then next stories, ending at the ground level - Grading a demolition of concrete structural elements - Demolition of floor slabs and ceiling joists, load-bearing and non-load-bearing walls
	Preparation of the construction site for foundations	<ul style="list-style-type: none"> - Verification of the conformity of actual type and condition of the ground with the one adopted in the design - Verification of the foundation level - Determination of the foundation course - Location of pillars and bench marks
	Laying foundations	<ul style="list-style-type: none"> - Laying levelling courses - Setting and control of forms - Arrangement of reinforcement in ferroconcrete foundations - Arrangement of concrete mix in forms

		<ul style="list-style-type: none"> - Care about fresh concrete
	Carrying out insulation works	<ul style="list-style-type: none"> - Arrangement of insulation on concrete or brick external surfaces - Arrangement of internal insulation
Construction of walls and ferroconcrete structures	Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work
	Determination and preparation of a base to construct walls and ferroconcrete structures	<ul style="list-style-type: none"> - Unloading, carrying and arranging building materials. Preparation of tools and devices to work - Determination of a location of basic construction elements of a building according to the architectural design - Thorough cleaning of the surface - Protection of the construction site
	Construction of walls and other elements (pillars, joists, slabs, stairs) with use of forms	<ul style="list-style-type: none"> - Preparation of forms (casing boards or formwork system) - Arrangement of reinforcement - Arrangement of a concrete mix in forms with use of concrete pump - Condensation of a concrete mix with use of vibrators - Care about fresh concrete - De-installation of forms - Verification of keeping vertical and horizontal lines at various stages of works

	<p>Construction of walls and structures from prefabricated ferroconcrete elements</p>	<ul style="list-style-type: none"> - Establishment of installation stages - Determination of the area where prefabricated elements are elevated - Installation and removal of temporary reinforcement and support systems - Location of concrete elements in a place of their integration - Verification of results of load effect on the existing structure during installation of concrete elements in a destination
	<p>Construction of reinforced ceilings, stairs and lintels</p>	<ul style="list-style-type: none"> - Construction of forms for ceilings, stairs and lintels - Installation of a formwork system - Construction of flat lintels - Roof construction - Installation of ready lintels in type of L and U - Laying screeds - Preparation of reinforcements according to the design - Arrangement of reinforcements in forms - Construction of walls with reinforcement
<p>Fence construction</p>	<p>Respecting Safety&Health rules in regard to self and co-workers</p>	<ul style="list-style-type: none"> - Foresees risks to human health and life and property and the environment associated with execution of tasks professional - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work

	Preparation of a site to construct a fence	<ul style="list-style-type: none"> - Determination of a fence's location - Collection of information if electric cables, water and sewage pipes do not run close - Performance of a measurement and indication of a fence's line, as well as signage of pillar's location - Conducting excavations - Storage or transport of output to a proper place
	Construction of concrete/brick fences	<ul style="list-style-type: none"> - Determination of the depth of foundations (base) with consideration of ground conditions - Base construction - Alignment, set-back of pillars in concrete base - Construction of concrete and brick walls

PERSONAL AND SOCIAL COMPETENCES	<ul style="list-style-type: none"> - Updates knowledge and improves professional skills - Foresees results of taken actions - Is able to bear responsibility for taken actions - Cooperation in a team - Flexibility - Emotional balance
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ANNEX 2

The list of common units of learning outcomes with assigned ECVET credits

Unit 1

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	352	41
Switzerland	5400	180	1800	60
Italy – Friuli Venezia Giulia	3168	180	860	49
Italy Marche Region	3252	180	860	48

Unit of learning outcomes No.	1									
Name of occupation	Roofer									
Name of qualification	Carrying out roof work									
Type of Learning	Formal									
Name of unit of learning outcomes	Installation and demolition of roofing									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in	–Foresees risks to human health and life and property and the	–Observes principles of propriety and ethics	10,7	15	10	9,4	5	8	5	4

<p>regard to self and co-workers</p>	<p>environment associated with execution of tasks professional</p> <ul style="list-style-type: none"> - Identify the hazards associated with the presence of harmful environmental factors in the workplace - Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection - Used protection measures of individual and collective in the performance of tasks professional - Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection - Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> - Is creative and consistent in task performance - Foresees results of taken actions - Is open to changes - Can deal with stress - Updates knowledge and improves professional skills - Observes professional secrecy - Is able to bear responsibility for taken actions - Is able to negotiate terms of agreements - Cooperates in a team 								
<p>Preparing for the installation and demolition of roofing</p>	<ul style="list-style-type: none"> - Distinguishes types and elements of roof structure - Distinguishes roofing types - Uses project documentation, technical specifications concerning performance and 		<p>13</p>	<p>15</p>	<p>13</p>	<p>21, 3</p>	<p>6</p>	<p>8</p>	<p>6</p>	<p>8</p>

	<p>acceptance of works, standards and instructions concerning roofing construction</p> <p>–Selects and prepares materials, tools and equipment to roofing construction and demolition</p>									
Conducting works related to renovation and demolition of roofing	<p>–Carries out works related to repair and demolition of roofing</p> <p>–Assesses quality of roofing's workmanship</p>		54	20	54	19,9	26	14	27	8
Roofing insulation construction	<p>–Installs roofing insulations</p> <p>–Assesses quality of roofing's workmanship</p>		10,2	25	10	19,9	5	15	5	8
Construction of roofing in various structures and shapes	<p>–Installs roofing screeds</p> <p>–Installs roofing in various structures and shapes</p> <p>–Assesses quality of roofing's workmanship</p>		12,1	25	13	33,8	6	15	6	13
			Total 100							

Unit 2

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	472	52

Switzerland	This qualification in Switzerland is not in the building sector but in the industrial one.			
Italy – Friuli Venezia Giulia	3168	180	438	25
Italy Marche Region	3252	180	438	24

Unit of learning outcomes No.	2									
Name of occupation	Roofer									
Name of qualification	Carrying out roof work									
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Carrying out roof work and roof slope drainage									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility 	21		21	7	5		5	4

	<p>the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection</p> <ul style="list-style-type: none"> – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<p>– Emotional balance</p>								
<p>Preparation of drawings concerning roof work and elements of roof slope drainage</p>	<ul style="list-style-type: none"> – Use of project documentation, technical specifications concerning carrying out and accepting works, standards and instructions concerning roof work and roof slope drainage – Preparation of drawings and drafts concerning roof work and elements of roof slope drainage – Preparation of a bill of quantities related to construction and demolition of roof work and roof slope drainage, 		<p>41,1</p>		<p>41</p>	<p>44,9</p>	<p>10</p>		<p>10</p>	<p>23</p>

	<ul style="list-style-type: none"> calculation of costs of their carrying out – Application of software supporting roof tasks performance – Carrying out works related to preparation of a sheet metal to process it – Carrying out and installing roof works – Mounting roof works to specific building components 									
Selection and preparation of materials, tools and devices to carry out roof work and roof slope drainage	<ul style="list-style-type: none"> – Differentiation and selection of elements of roof slope drainage systems – Selection of materials to carry out roof work and roof slope drainage – Preparation of materials to construct roofing undercoats – Selection of roof windows, skylights and exits – Use of roof work devices and tools according to operating rules 		22,4		22	16,9	5		6	9
Installation of roof slope drainage elements	<ul style="list-style-type: none"> – Performance of a quantity survey related to construction and demolition of roof work and roof slope drainage, 		15,5		16	31,2	4		4	16

	preparation of works clearance – Fitting elements of roof slope drainage – Fitting gutters, rainwater pipes and roof drains – Quality assessment of the workmanship of roof work and roof slope drainage										
			Total 100								

Unit 3

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	205	22
Switzerland	5400	180	280	10
Italy – Friuli Venezia Giulia	3168	180	307	17
Italy Marche Region	3252	180	228	12

Unit of learning outcomes No.	3	
Name of occupation	Fitter and Finisher in the Construction Industry	
Name of qualification	Drywall system installation	
Type of Learning	Formal	

Name of unit of learning outcomes	Installation of partition walls, suspended ceilings and housing of roof structures in drywall systems									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply 	<ul style="list-style-type: none"> – Observes principles of propriety and ethics – Is creative and consistent in task performance – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills – Observes professional secrecy – Is able to bear responsibility for taken actions – Is able to negotiate terms of agreements – Cooperates in a team 	40,4	20	26	12,68	5	2	5	3

	<p>the rules of law concerning fire protection and environmental protection</p> <ul style="list-style-type: none"> – Give first aid to victims of accidents at work 									
<p>Preparing for the installation of partition walls, suspended ceilings and housing of roof structures in drywall systems</p>	<ul style="list-style-type: none"> – Distinguishes types of interior drywall systems – Distinguishes insulation types of partition walls, suspended ceilings and housing of roof structures, as well as observes rules of their performance – Uses project documentation, technical specifications of performance and acceptance of works, standards, catalogues and instructions concerning installation of partition walls, suspended ceilings and housing of roof structures in a drywall system – Chooses and prepares materials to install partition walls, suspended ceilings and housing of roof structures in a drywall system – Chooses and prepares tools and equipment to install partition walls, suspended ceilings and housing of roof 		24,6	20	25	27,80	3	2	4	6

	<p>structures in a drywall system</p> <ul style="list-style-type: none"> – Indicates the assembly station of drywall elements – Chooses technologies of drywall element assembly 									
Installation of partition wall in a drywall system	<ul style="list-style-type: none"> – Carries out ancillary works related to installation of partition walls in a drywall system – Carries out partition walls in a drywall system – Carries out insulation of partition walls in a drywall system – Recognises types of damages concerning partition walls in a drywall system and chooses a way to repair them – Carries out works related to repair of damaged elements of partition walls in a drywall system – Assesses quality concerning the workmanship of partition walls in a drywall system 		17,5	30	25	32,20	2	3	4	7
Installation of suspended ceilings and housing of roof structures in a drywall system	<ul style="list-style-type: none"> – Carries out ancillary works related to installation of suspended ceilings and housing of roof structures in a drywall system 		17,5	30	24	27,32	2	3	4	6

	<ul style="list-style-type: none"> – Carries out suspended ceilings and housing of roof structures in a drywall system – Carries out insulation of suspended ceilings and housing of roof structures in a drywall system – Recognises types of damages concerning suspended ceilings and housing of roof structures in a drywall system and chooses a way to repair them – Carries out works related to repair of damaged elements of suspended ceilings and housing of roof structures in a drywall system – Assesses quality concerning the workmanship of suspended ceilings and housing of roof structures in a drywall system 									
		Total 100								

Unit 4

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	690	23

Switzerland	5400	180	352	10
Italy – Friuli Venezia Giulia	3252	180	200	11
Italy Marche Region	3252	180	200	11

Unit of learning outcomes No.	4									
Name of occupation	Fitter and Finisher in the Construction Industry									
Name of qualification	Drywall system installation									
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Installation of plasterboards									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Regione	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility 	46	40	46	12,68	5	4	5	3

	<p>safety regulations and hygiene, fire protection and environmental protection</p> <ul style="list-style-type: none"> – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<p>– Emotional balance</p>								
<p>Installation of wall covering systems</p>	<ul style="list-style-type: none"> – Preparation of a wall covering assembly stand – Preparation of a storage location for materials to install wall coverings – Preparation of a drywall base – Selection of proper drywall – Preparation and cut of boards to install drywall – Installation of drywall on masonries (direct) – Designation of a drywall plane – Designation of a place to mount covering holders on wall sections – Selection and assembly of sections to install drywall 		54	60	54	87,32	7	6	7	20

	<ul style="list-style-type: none"> –Arrangement of insulation layers –Arrangement of coverings on wall sections –Installation of coverings to hide installations –Carrying out finishing works such as spackling, external corners treatment, cleaning boards –Application of principles of occupational health and safety, fire protection and environmental protection 									
			Total 100							

Unit 5

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	118	12
Switzerland	5400	180	220	10
Italy – Friuli Venezia Giulia	3168	180	296	17
Italy Marche Region	3252	180	194	12

Unit of learning outcomes No.	5									
Name of occupation	Fitter and Finisher in the Construction Industry									
Name of qualification	Carrying out painting and paper-hanging works									
Type of Learning	Formal									
Name of unit of learning outcomes	Carrying out painting work									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in	– Foresees risks to human health and life and property and the environment	– Observes principles of propriety and ethics	47,4	10	27	22,04	5	1	6	3

<p>regard to self and co-workers</p>	<p>associated with execution of tasks professional</p> <ul style="list-style-type: none"> – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Is creative and consistent in task performance – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills – Observes professional secrecy – Is able to bear responsibility for taken actions – Is able to negotiate terms of agreements – Cooperates in a team 								
<p>Preparing for the carrying out painting work</p>	<ul style="list-style-type: none"> – Distinguishes types of painting materials, defines their properties and application – Distinguishes base types and defines ways to prepare them for various kinds of paint coating 		<p>12,4</p>	<p>15</p>	<p>12</p>	<p>36,44</p>	<p>1</p>	<p>2</p>	<p>2</p>	<p>5</p>

	<ul style="list-style-type: none"> – Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out painting work – Chooses and prepares materials to carry out paint coatings in a specific technology – Chooses technologies of carrying out painting work – Chooses tools and equipment to carry out painting work 									
Coverage of surfaces and protection of objects against paint dropping and prepares the base from different materials to apply paint coatings	<ul style="list-style-type: none"> – Prepares the base from different materials to apply paint coatings – Assesses quality of carrying out painting work 		6,2	15	8	11,02	1	1	1	1
Preparation of the first layer of paint (priming paint) for surfaces not painted before	<ul style="list-style-type: none"> – Carries out paint coatings – Assesses quality of carrying out painting work 		3,1	20	8	11,86	1	2	1	1
Painting surfaces with using various techniques (distemper, sponge roll, semi-permanent colour method, template pattern method, spray paint method)	<ul style="list-style-type: none"> – Carries out paint coatings – Decorates paint coatings with various methods – Assesses quality of carrying out painting work 		16,5	20	31	9,32	2	2	5	1

Repair and renovation of paint coatings	<ul style="list-style-type: none"> – Recognizes types of damages of coatings and chooses a way to repair them – Carries out works related to repair and renovation of paint coatings – Assesses quality of carrying out painting work 		14,4	20	14	9,32	2	2	2	1
		Total 100								

Unit 6

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	242	27
Switzerland	5400	180	280	10
Italy – Friuli Venezia Giulia	3252	180	208	12
Italy Marche Region	3252	180	208	12

Unit of learning outcomes No.	6									
Name of occupation	Fitter and Finisher in the Construction Industry									
Name of qualification	Carrying out painting and paper-hanging works									
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Painting wooden and metal elements and surfaces									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	– Foresees risks to human health and life and property and the environment associated	– Updates knowledge and improves professional skills	44,2	10	44,2	10,6	5	1	5	3

	<p>with execution of tasks professional</p> <ul style="list-style-type: none"> – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility – Emotional balance 								
<p>Covering surfaces and other objects</p>	<ul style="list-style-type: none"> – Installation of scaffolds, decks and ladders – Arrangement of materials protecting workstation against paint dropping – Pasting of blending tapes on 4surface parts that do 		<p>17,3</p>	<p>15</p>	<p>17,3</p>	<p>14,9</p>	<p>2</p>	<p>1</p>	<p>2</p>	<p>4</p>

	not require painting (edges, doorframes, windows, etc.)								
Preparation of the first layer of paint to paint interior and exterior new not painted wooden surfaces	<ul style="list-style-type: none"> –Verification if no oily spots or resin rests are present on a painted surface –Application of a layer of flat colour on the surface –Grinding of the surface with a sanding sheet of medium category of granulation –Application and smoothing of an undercoat mix –Application of a layer of flat colour 	9,6	15	9,6	14,9	1	1	1	4
Preparation of the first layer of paint to paint interior and exterior painted wooden surfaces	<ul style="list-style-type: none"> –Verification if the surface does not shiver, paint does not go off or other defects do not appear –Scraping of shivering or cracked paint with use of paint scraper or electric grinder –Application of a layer of flat colour on the sanded surface –Application of an undercoat mix on the sanded surface –Application of a flat colour's layer on the surface impregnated with an undercoat mix 	7,7	10	7,7	14,9	1	1	1	4

Preparation of the first layer of paint on previously not painted metal surface	<ul style="list-style-type: none"> – Grinding of the surface to remove rust – Thorough cleaning of the surface to remove oily rests – Application of the antirust priming paint's layer – Application of the metal priming paint's layer 		7,7	15	7,7	14,9	1	1	1	4
Preparation of the first layer of old painted metal surface	<ul style="list-style-type: none"> – Verification if the surface does not shiver, paint does not go off, there is no rust or other defects – Grinding of the surface with brushing machines or grinders – Application of metal priming paint on ground surfaces – Application of the joint mix on ground surfaces – Grinding of the undercoat mix surface with a sanding sheet of medium category of granulation – Application of a priming paint after undercoat mix dries 		7,7	15	7,7	14,9	1	2	1	4
Painting metal and wooden surfaces	<ul style="list-style-type: none"> – Application of the first layer of flat colour – Grinding of the surface with fine sanding sheet 		5,8	20	5,8	14,9	1	3	1	4

	-Application of the second layer of flat colour or light paint										
			Total 100								

Unit 7

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	275	31
Switzerland	5400	180	368	10
Italy – Friuli Venezia Giulia	3168	180	232	13
Italy Marche Region	3252	180	236	16

Unit of learning outcomes No.	7									
Name of occupation	Fitter and Finisher in the Construction Industry									
Name of qualification	Carrying out floor-covering works									
Type of Learning	Formal									
Name of unit of learning outcomes	Carrying out floor work									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region e	Switzerland	Italy – Friuli Venezia Giulia	Poland

<p>Respecting Safety&Health rules in regard to self and co-workers</p>	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Observes principles of propriety and ethics – Is creative and consistent in task performance – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills – Observes professional secrecy – Is able to bear responsibility for taken actions – Is able to negotiate terms of agreements – Cooperates in a team 	39	10	34	9,45	5	1	5	3
<p>Preparing for the carrying out floor work</p>	<ul style="list-style-type: none"> – Distinguishes types of floor materials and defines their properties 		11,9	10	16	22,9 1	2	1	2	7

	<ul style="list-style-type: none"> – Defines ways to prepare bases for various types of floor – Distinguishes types of floor insulations and defines ways of their performance – Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out floor work – Chooses and prepares materials to carry out floor work – Chooses tools and equipment to carry out floor work 									
Preparation of the surface and insulating layers to complete floors of various materials	<ul style="list-style-type: none"> – Prepares bases to carry out floor from various materials – Carries out insulating layers of floors 		3,4	15	10	6,91	1	1	1	2
Installation of floor screed	<ul style="list-style-type: none"> – Carries out floor screeds – Assesses quality of flooring work 		11,8	15	14	4,73	2	1	2	1
Installation wooden floors	<ul style="list-style-type: none"> – Installation floors from wooden – Carries out protections for floor surface 		11,8	15	0	19,64	2	2	0	6

	<ul style="list-style-type: none"> – Recognizes types of damages of floors and defines a way to repair them – Carries out works related to maintenance and repair of floors – Assesses quality of flooring work 									
Installation of polymer floors	<ul style="list-style-type: none"> – Installation polymer floors – Carries out protections for floor surface – Recognizes types of damages of floors and defines a way to repair them – Carries out works related to maintenance and repair of floors – Assesses quality of flooring work 		8,5	15	0	18,18	1	1	0	6
Floor tile laying	<ul style="list-style-type: none"> – Installation of floor tiles – Carries out protections for floor surface – Recognizes types of damages of floors and defines a way to repair them – Carries out works related to maintenance and repair of floors 		13,6	20	26	18,18	2	3	3	6

	-Assesses quality of flooring work										
			Total 100								

Unit 8

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	234	26
Switzerland	5400	180	300	10
Italy – Friuli Venezia Giulia	3168	180	200	11
Italy Marche Region	3252	180	186	11

Unit of learning outcomes No.	8									
Name of occupation	Fitter and Finisher in the Construction Industry									
Name of qualification	Carrying out floor-covering works									
Type of Learning	Formal									
Name of unit of learning outcomes	Carrying out covering work									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland

<p>Respecting Safety&Health rules in regard to self and co-workers</p>	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Observes principles of propriety and ethics – Is creative and consistent in task performance – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills – Observes professional secrecy – Is able to bear responsibility for taken actions – Is able to negotiate terms of agreements – Cooperates in a team 	49,5	15	40	11,2	5	1	5	3
<p>Preparing for the carrying out covering work</p>	<ul style="list-style-type: none"> – Distinguishes types of coverings, defines their properties and application 		18,3	25	18	23,9	2	2	2	6

	<ul style="list-style-type: none"> – Distinguishes base types and defines ways of their preparation for coverings – Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out covering work – Chooses and prepares materials to carry out covering work – Chooses tools and equipment to carry out covering work 									
Preparing the ground for the covering work	<ul style="list-style-type: none"> – Prepares the base to carry out coverings – Assesses quality of covering work 		6,5	25	12	20,5	1	2	1	5
Installation of coverings (tile, stone, Wood, boards, slats, polimer spatial elements)	<ul style="list-style-type: none"> – Installs coverings from various materials (tile, stone, Wood, boards, slats, polimer spatial elements) – Recognises types of damages of coverings and defines a way to repair them – Carries out works related to maintenance and repair of 		25,7	35	30	44,4	3	5	3	12

	coverings made from various materials –Assesses quality of covering work										
			Total 100								

Unit 9

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	179	20
Switzerland	5400	180	250	10
Italy – Friuli Venezia Giulia	3168	180	160	8
Italy Marche Region	3252	180	192	11

Unit of learning outcomes No.	9									
Name of occupation	Bricklayer-Plasterer									
Name of qualification	Carrying out masonry and plastering works									
Type of Learning	Formal									
Name of unit of learning outcomes	Carrying out grouts, mortars and concrete mixes									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	– Foresees risks to human health and life and property and the environment associated with execution of tasks professional	– Observes principles of propriety and ethics – Is creative and consistent in task performance	47,9	20	50	16,8	5	2	4	3

	<ul style="list-style-type: none"> – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills – Observes professional secrecy – Is able to bear responsibility for taken actions – Is able to negotiate terms of agreements – Cooperates in a team 								
<p>Preparing for the carrying out grouts, mortars and concrete mixes</p>	<ul style="list-style-type: none"> – Distinguishes types of grouts and mortars, defines their properties and application – Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions 		33,3	40	50	44,7	4	4	4	9

	<p>concerning carrying out grouts, mortars and concrete mixes</p> <ul style="list-style-type: none"> – Chooses contents of grouts, mortars and concrete mixes – Chooses tools and equipment to carry out grouts, mortars and concrete mixes 									
Manual and mechanical preparation grouts, mortars and concrete mixes	<ul style="list-style-type: none"> – Prepares contents of grouts, mortars and concrete mixes – Carries out grouts, mortars and concrete mixes in accordance with a recipe – Assesses quality of the workmanship of grouts, mortars and concrete mixes 		18,8	40	0	38,5	2	4	0	8
			Total 100							

Unit 10

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	214	24
Switzerland	5400	180	300	10
Italy – Friuli Venezia Giulia	3168	180	492	28
Italy Marche Region	3252	180	760	41

Unit of learning outcomes No.	10									
Name of occupation	Bricklayer-Plasterer									
Name of qualification	Carrying out masonry and plastering works									
Type of Learning	Formal									
Name of unit of learning outcomes	Carrying out brick building structures									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Regione	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of 	<ul style="list-style-type: none"> – Observes principles of propriety and ethics – Is creative and consistent in task performance – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills 	12,1	20	16	14,01	5	1	4	3

	<p>ergonomics, safety regulations and hygiene, fire protection and environmental protection</p> <ul style="list-style-type: none"> – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Observes professional secrecy – Is able to bear responsibility for taken actions – Is able to negotiate terms of agreements – Cooperates in a team 								
Preparing for the carrying out brick building structures	<ul style="list-style-type: none"> – Distinguishes types of brick building structures – Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out brick building structures – Recognizes types of brick bonds in walls – Distinguishes types of building insulations and defines ways of their performance 		15,3	25	15	38,79	6	2	4	9

	<ul style="list-style-type: none"> – Selects and prepares materials to carry out brick building structures – Chooses tools and equipment to carry out brick building structure 									
Determination and preparation of a site to construct brick walls, insulation of walls and other surfaces	<ul style="list-style-type: none"> – Carries out earthwork, insulation works, ancillary concrete and reinforcement works related to carrying out brick building structures – Assesses quality of carrying out masonry work 		17,4	25	20	19,63	7	3	6	5
Construction of load-bearing, partition walls and other elements of the building	<ul style="list-style-type: none"> – Carries out brick walls, ceilings, lintels, roof, pillars, piers and chimneys – Carries out wall pointing and facing – Assesses quality of carrying out masonry work 		55,2	30	49	27,57	23	4	14	7
			Total 100							

Unit 11

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	606	68
Switzerland	5400	180	250	10

Italy – Friuli Venezia Giulia	3168	180	192	11
Italy Marche Region	3252	180	462	26

Unit of learning outcomes No.	11									
Name of occupation	Bricklayer-Plasterer									
Name of qualification	Carrying out masonry and plastering works									
Type of Learning	Formal									
Name of unit of learning outcomes	Carrying out plasters									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and 	<ul style="list-style-type: none"> – Observes principles of propriety and ethics – Is creative and consistent in task performance – Foresees results of taken actions – Is open to changes – Can deal with stress – Updates knowledge and improves professional skills 	19,9	10	38	5	5	1	4	3

	<p>hygiene, fire protection and environmental protection</p> <ul style="list-style-type: none"> –Used protection measures of individual and collective in the performance of tasks professional –Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection –Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> –Observes professional secrecy –Is able to bear responsibility for taken actions –Is able to negotiate terms of agreements –Cooperates in a team 								
<p>Preparing for the carrying out plasters</p>	<ul style="list-style-type: none"> –Distinguishes types of plasters –Uses project documentation, technical specifications concerning performance and acceptance of works, standards and instructions concerning carrying out plasters –Chooses and prepares materials to carry out internal and external plasters –Recognises damage types of internal and external plasters and chooses ways of their repair –Chooses tools and equipment to carry out internal and external plasters 		<p>13</p>	<p>15</p>	<p>62</p>	<p>47, 6</p>	<p>3</p>	<p>1</p>	<p>7</p>	<p>32</p>

<p>Installation of traditional plasters</p>	<ul style="list-style-type: none"> – Prepares the base to carry out internal and external traditional plasters – Carries out internal and external traditional plasters – Takes actions related to finishing plastered surfaces and mounting ventilation grilles and other elements – Repairs internal and external traditional plasters – Assesses quality of carrying out plastering work 		30,7	25	0	15,8	8	3	0	11
<p>Installation of gypsum plasters</p>	<ul style="list-style-type: none"> – Prepares the base to carry out internal gypsum plasters – Carries out internal gypsum plasters – Takes actions related to finishing plastered surfaces and mounting ventilation grilles and other elements – Repairs internal gypsum plasters – Assesses quality of carrying out plastering work 		21,7	25	0	15,8	6	2	0	11
<p>Installation of external plasters from a plastering mix on bases made of rock wool and styrofoam</p>	<ul style="list-style-type: none"> – Prepares the base to carry out external plasters from a plastering mix on bases made of rock wool and styrofoam – Carries out external plasters from a plastering mix on bases 		14,7	25	0	15,8	4	3	0	11

	<p>made of rock wool and styrofoam</p> <ul style="list-style-type: none"> – Takes actions related to finishing plastered surfaces and mounting ventilation grilles and other elements – Repairs external plasters from a plastering mix on bases made of rock wool and styrofoam – Assesses quality of carrying out plastering work 										
			Total 100								

Unit 12

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	1280	142
Switzerland	5400	180	125	5
Italy – Friuli Venezia Giulia	3252	180	160	9
Italy Marche Region	3252	180	160	9

Unit of learning outcomes No.	12	
Name of occupation	Bricklayer-Plasterer	
Name of qualification	Carrying out masonry and plastering works	
Type of Learning	Non-formal and informal	

Name of unit of learning outcomes	Installation and de-installation of scaffolds for construction works									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility – Emotional balance 	57,5	20	57,5	2,3	5	1	5	3

	<p>protection and environmental protection</p> <ul style="list-style-type: none"> – Give first aid to victims of accidents at work 									
Installation and de-installation of scaffolds for construction works	<ul style="list-style-type: none"> – Verification of technical requirements – Selection of a scaffold which type corresponds with conducted works – Establishment if proper materials to construct a scaffold have been selected – Installation of the first level of scaffolds – Elevation and mounting of scaffold elements – Arrangement of boards on horizontal trusses creating a platform – Installation of metal scaffold from systemic elements – Verification of the correctness of scaffolds' installation – Protection of scaffolds according to principles of occupational health and safety – De-installation of scaffolds after completion of works 		42,5	80	42,5	97,7	4	4	4	139
			Total 100							

Unit 13

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	254	28
Switzerland	5400	180	138	5
Italy – Friuli Venezia Giulia	3252	180	214	12
Italy Marche Region	3252	180	214	12

Unit of learning outcomes No.	13									
Name of occupation	Bricklayer-Plasterer									
Name of qualification	Carrying out masonry and plastering works									
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Performance of building foundations									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	– Foresees risks to human health and life and property and the environment associated with execution of tasks professional	– Updates knowledge and improves professional skills – Foresees results of taken actions	43	19	43	13,4	5	1	5	3

	<ul style="list-style-type: none"> – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility – Emotional balance 								
Preparation of the construction site for foundations	<ul style="list-style-type: none"> – Verification of the conformity of actual type and condition of the ground with the one adopted in the design – Verification of the foundation level 		23,4	36	23,4	58	3	2	3	15

	<ul style="list-style-type: none"> – Determination of the foundation course – Location of pillars and bench marks 										
Laying foundations	<ul style="list-style-type: none"> – Laying levelling courses – Setting and control of forms – Arrangement of reinforcement in ferroconcrete foundations – Arrangement of concrete mix in forms – Care about fresh concrete 		33,6	45	33,6	42	4	2	4	10	
		Total 100									

Unit 14

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	350	38
Switzerland	This unit does not exist in Switzerland			
Italy – Friuli Venezia Giulia	3252	180	226	13
Italy Marche Region	3252	180	226	13

Unit of learning outcomes No.	14	
Name of occupation	Bricklayer-Plasterer	
Name of qualification	Carrying out masonry and plastering works	

Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Demolition of a building or its part									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility – Emotional balance 	40,7		40,7	8,6	5		5	3

	<p>the rules of law concerning fire protection and environmental protection</p> <ul style="list-style-type: none"> – Give first aid to victims of accidents at work 									
Carrying out demolition works with use of manual devices	<ul style="list-style-type: none"> – Identification of construction and non-construction elements of buildings to be demolished – Implementation of demolition with use of manual pneumatic hammers, oxy-acetylene blowpipe and other manual devices – Disconnection of the building from water and sewage system, gas system and electric system – Disassembly of systems – Commencement of a demolition from the roof, then next stories, ending at the ground level – Grading a demolition of concrete structural elements – Demolition of floor slabs and ceiling joists, load-bearing and non-load-bearing walls 		59,3		59,3	91,4	8		8	35
			Total 100							

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	430	48
Switzerland	5400	180	88	3
Italy – Friuli Venezia Giulia	3252	180	120	7
Italy Marche Region	3252	180	120	7

Unit of learning outcomes No.	15									
Name of occupation	Bricklayer-Plasterer									
Name of qualification	Carrying out masonry and plastering works									
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Carrying out insulation works									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions 	76,5	20	76,5	7	5	1	5	3

	<p>of harmful environmental factors in the workplace</p> <ul style="list-style-type: none"> – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility – Emotional balance 									
Carrying out insulation works	<ul style="list-style-type: none"> – Arrangement of insulation on concrete or brick external surfaces – Arrangement of internal insulation 		23,5	80	23,5	93	2	2	2	45	
			Total 100								

Unit 16

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen	Duration of the specific unit in hours	Credit points assigned for the specific unit
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		for the qualification (60 credit points/ year)		
Poland	1610	180	614	68
Switzerland	5400	180	250	10
Italy – Friuli Venezia Giulia	3252	180	482	27
Italy Marche Region	3252	180	482	27

Unit of learning outcomes No.	16									
Name of occupation	Bricklayer-Plasterer									
Name of qualification	Carrying out masonry and plastering works									
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Construction of walls and ferroconcrete structures									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Region	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team 	19,1	10	19,1	7	5	1	5	3

	<ul style="list-style-type: none"> – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection – Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> – Flexibility – Emotional balance 								
Determination and preparation of a base to construct walls and ferroconcrete structures	<ul style="list-style-type: none"> – Unloading, carrying and arranging building materials. Preparation of tools and devices to work – Determination of a location of basic construction elements of a building according to the architectural design – Thorough cleaning of the surface – Protection of the construction site 		4,6	15	4,6	52,1	1	2	1	25
Construction of walls and other elements	<ul style="list-style-type: none"> – Preparation of forms (casing boards or formwork system) – Arrangement of reinforcement 		29,5	25	29,5	27,9	8	3	8	13

(pillars, joists, slabs, stairs) with use of forms	<ul style="list-style-type: none"> –Arrangement of a concrete mix in forms with use of concrete pump – Condensation of a concrete mix with use of vibrators – Care about fresh concrete – De-installation of forms – Verification of keeping vertical and horizontal lines at various stages of works 									
Construction of walls and structures from prefabricated ferroconcrete elements	<ul style="list-style-type: none"> – Establishment of installation stages – Determination of the area where prefabricated elements are elevated – Installation and removal of temporary reinforcement and support systems – Location of concrete elements in a place of their integration – Verification of results of load effect on the existing structure during installation of concrete elements in a destination 		22	25	22	27,9	6	2	6	13
Construction of reinforced ceilings, stairs and lintels	<ul style="list-style-type: none"> – Construction of forms for ceilings, stairs and lintels – Installation of a formwork system – Construction of flat lintels – Roof construction 		24,8	25	24,8	27,9	7	2	7	13

	<ul style="list-style-type: none"> – Installation of ready lintels in type of L and U – Laying screeds – Preparation of reinforcements according to the design – Arrangement of reinforcements in forms – Construction of walls with reinforcement 										
			Total 100								

Unit 17

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1610	180	616	68
Switzerland	5400	180	250	10
Italy – Friuli Venezia Giulia	3252	180	244	13
Italy Marche Region	3252	180	244	13

Unit of learning outcomes No.	17	
Name of occupation	Bricklayer-Plasterer	
Name of qualification	Carrying out masonry and plastering works	
Type of Learning	Non-formal and informal	
Name of unit of learning outcomes	Fence construction	

Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Regione	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	<ul style="list-style-type: none"> – Foresees risks to human health and life and property and the environment associated with execution of tasks professional – Identify the hazards associated with the presence of harmful environmental factors in the workplace – Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection – Used protection measures of individual and collective in the performance of tasks professional – Observes the principles of health and safety and apply the rules of law 	<ul style="list-style-type: none"> – Updates knowledge and improves professional skills – Foresees results of taken actions – Is able to bear responsibility for taken actions – Cooperation in a team – Flexibility – Emotional balance 	37,7	30	37,7	4,9	5	2	5	3

	<p>concerning fire protection and environmental protection</p> <p>– Give first aid to victims of accidents at work</p>									
Preparation of a site to construct a fence	<p>– Determination of a fence's location</p> <p>– Collection of information if electric cables, water and sewage pipes do not run close</p> <p>– Performance of a measurement and indication of a fence's line, as well as signage of pillar's location</p> <p>– Conducting excavations</p> <p>– Storage or transport of output to a proper place</p>		29,5	35	29,5	36,4	4	4	4	25
Construction of concrete/brick fences	<p>– Determination of the depth of foundations (base) with consideration of ground conditions</p> <p>– Base construction</p> <p>– Alignment, set-back of pillars in concrete base</p> <p>– Construction of concrete and brick walls</p>		32,8	35	32,8	58,7	4	4	4	40
			Total 100							

	Total duration of the entire training foreseen for the qualification In hours	Credit points assigned for the entire training foreseen for the qualification (60 credit points/ year)	Duration of the specific unit in hours	Credit points assigned for the specific unit
Poland	1500	240	275	45
Switzerland	5400	180	75	3
Italy – Friuli Venezia Giulia	3252	180	140	8
Italy Marche Region	3252	180	140	8

Unit of learning outcomes No.	18									
Name of occupation	Construction technician									
Name of qualification	The organization and control of construction works		The 4. level of qualifications according to the EQF							
Type of Learning	Non-formal and informal									
Name of unit of learning outcomes	Planning, organisation and coordination of works on the construction site									
Name of component of learning outcomes	Skills and knowledge	Personal and social competences	Component weight in %				Credit Points			
			Italy – Marche Region	Switzerland	Italy Friuli Venezia Giulia	Poland	Italy – Marche Regione	Switzerland	Italy – Friuli Venezia Giulia	Poland
Respecting Safety&Health rules in regard to self and co-workers	– Foresees risks to human health and life and property and the environment associated with execution of tasks professional	– Updates knowledge and improves professional skills	65,7	20	65,7	10,9	5	1	5	5

	<ul style="list-style-type: none"> –Identify the hazards associated with the presence of harmful environmental factors in the workplace –Organize their own work station in accordance with the requirements of ergonomics, safety regulations and hygiene, fire protection and environmental protection –Used protection measures of individual and collective in the performance of tasks professional –Observes the principles of health and safety and apply the rules of law concerning fire protection and environmental protection –Give first aid to victims of accidents at work 	<ul style="list-style-type: none"> –Foresees results of taken actions –Is able to bear responsibility for taken actions –Cooperation in a team –Flexibility –Emotional balance 								
<p>Organisation and preparation of the construction site</p>	<ul style="list-style-type: none"> –Inspection of the construction site and verification of the course of underground installations –Determination of the construction site bounds –Fencing and signage of the construction site –Construction of internal roads on the construction site 		34,3	80	34,3	89,1	3	2	3	40

	<ul style="list-style-type: none"> – Organisation of the administrative and social facility – Supplying the construction site with water and electricity – Organisation of production stations and warehouses 										
			Total 100								

