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Responsible partner	HTL		
Author	Markus Hagspiel		
Contributors			
Quality Reviewer			
Summary	Modular curriculum for EQF		
Project Coordinator	SBG		



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		7	Ines Jeschke	Check corrections and additions, final version	21.04.2023



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Introduction

PSA curricula are curricula (teaching programs) based, on the one hand, on learning goal orientation and, on the other hand, on teaching by instruction.

The description of learning outcomes and learning outcome units (the WHAT) forms the multi-level qualification portfolio for EQF levels 1 to 6 (see WP3) and thus represent the basis for the implementation of the qualifications (the HOW). The developed **PSA curricula** (see WP4) contain the essential competences (contents) that are expected from the learners at the end of the qualification.

The learning content is basically taught in **theoretical and practical learning units** (modules).¹

The **hours per module are guidelines** based on the national framework curricula. The courses and workshops of the PSA are basically designed to be usable in the labour market and are based on the guideline values.^{2,3,4}

Name and number of the UNIT

Responsibility and autonomy	to be trained / learned		Theory (professional training organisation)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
	Knowledge	Skills					
He / she is able <ul style="list-style-type: none"> to properly apply the basic rules, regulations and methods of the various calculations. to analyze and assess received documents. to carry out calculations, compare, identify relationships. to delegate and control individual services for the calculations. to communicate with business partners. 	He / she knows <ul style="list-style-type: none"> the calculations required for work preparation and the implementation of services in the painting trade. the basic rules, regulations and components for the preparation of the following calculations: <ul style="list-style-type: none"> ✓ Measurement calculations ✓ Material calculations ✓ cost calculations ✓ calculation 	He / she can <ul style="list-style-type: none"> read construction drawings, tables and graphics. present the numbers and calculations required for the billing in a clean, clear, unambiguous and clearly recognizable manner. describe and explain these basic rules, regulations, components and methods of the various calculation. create allowance calculations (determine masses / quantities). carry out material calculations (material requirements, productivity, layer thicknesses, consumption calculations, layer thickness conversion, determine material costs). prepare effort calculations (determine and document time requirements). formulate and describe simple calculations (differentiate between net and gross amounts, structure a price calculation, interpret cost offers). 	rules, regulations and methods of the various calculations. Measurement rules.	50	Create measurements on site (mass determination)	100	
			Determine material calculations (demand, consumption, costs, visible thicknesses, conversions)	20	Carry out project-related material calculations	60	
			Effort calculations, simple calculations	45	Project-related simple preliminary and final costing	130	
				115		290	

The course number is the number of a bookable course/workshop (see WP5).

Total hours per UNIT

¹ The example shows that the essential content is taught here in 3 modules:

- Module 1 = Rules ...
- Module 2 = Material calculations ...
- Module 3 = Cost calculations ...

² The individual modules basically consist of theoretical (yellow columns) and practical (red columns) learning units. For example, Module 1 here consists of a total of 150 hours (50 hours of theory and 100 hours of practice).

³ The individual modules can be further subdivided in terms of content and time into a variety of courses and/or workshops (see WP5).

⁴ If learners want to achieve a national vocational qualification, the national rules and regulations must be complied with (see WP1 and WP8).



Level 4 Overview total hours (Example: Austria ⁵)

UNIT	Responsibility and autonomy	to be trained / learned		Theory	Guideline in hours	Practice	Guideline in hours	Course No.
		Knowledge	Skills					
L4_U1	UNIT 1 – Measurement and calculation							405
	L3_U1-1 Measurement and calculation				115		290	
L4_U2	UNIT 2 – Health and safety, environment							248
	L3_U2-1 Health and safety				46		138	
	L3_U2-2 Environment				16		48	
L4_U3	UNIT 3 – Dealing with information and communication technology and customer orientation							134
	L3_U3-1 Dealing with information and communication technology				15		84	
	L3_U3-2 Customer orientation				5		30	
L4_U4	UNIT 4 – Acceptance of orders and setting up workplaces							132
	L3_U4-1 Acceptance of orders				14		70	
	L3_U4-2 Setting up workplaces				8		40	
L4_U5	UNIT 5 – Materials and tools, devices, machines and systems							342
	L3_U5-1 Materials				70		140	
	L3_U5-2 Tools, devices, machines and systems				22		110	
L4_U6	UNIT 6 – Working methods for coating processes (cleaning, decoating, spraying) and coating techniques							192
	L3_U6-1 Working methods for coating processes (cleaning, decoating, spraying)				32		160	
L4_U7	UNIT 7 – Surface assessment (test methods)							159
	L3_U7-1 Surface assessment (test methods) TROWELLED SURFACES				8		16	
	L3_U7-2 Surface assessment (test methods) PLASTERBOARD				4		8	
	L3_U7-3 Surface assessment (test methods) TIMBER SURFACES				8		16	
	L3_U7-4 Surface assessment (test methods) METAL SURFACES - Non-ferrous metals: IRON STEEL				7		14	
	L3_U7-4 Surface assessment (test methods) METAL SURFACES - Non-ferrous metals: ZINC				7		14	
	L3_U7-4 Surface assessment (test methods) METAL SURFACES - Non-ferrous metals: ALUMINIUM				7		14	
	L3_U7-4 Surface assessment (test methods) METAL SURFACES - Non-ferrous metals: COPPER				7		14	
	L3_U7-4 Surface assessment (test methods) PLASTIC-SURFACES				5		10	



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L4_U8	UNIT 8 – Surface treatments (preparing substrates for coatings)					300
	L3_U8-1 Surface treatments (preparing substrates for coatings)		75		225	
L4_U9	UNIT 9 – Coating systems (coating structure)					400
	L3_U9-1 Coating systems (coating structure)		100		300	
L4-U10	UNIT 10 – Decorative design					320
	L3_U10-1 Stylistics, color and form theory, writing		40		20	
	L3_U10-2 Decoration techniques		70		190	
L4_U11	UNIT 11 – Wallpapering					242
	L3_U11-1 Wallpapering		22		220	
L4_U12	UNIT 12 – Protective and speciality finishes					135
	L3_U12-1 Protective and speciality finishes		30		105	
L4_U13	UNIT 13 – Assembly work and isolation work					165
	L3_U13-1 Assembly work		15		150	
	L4_U13-2 Insulation work		0		0	
L4_U14	UNIT 14 - Standards and quality control					60
	L4_U14-1 Standards and quality control		15		45	
L4_U15	UNIT 15 – Historical painting techniques					88
	L4_U15-1 Historical painting techniques		22		66	
L4_U16	UNIT 16 – Lay floor coverings					0
	L4_U16-1 Lay floor coverings		0		0	
L4_U17	UNIT 17 – Ecological painting and sustainability					155
	L4_U17-1 Ecological painting		25		90	
	L4_U17-2 Sustainability		10		30	
SUM			820		2.657	3.477

⁵ Here, using Austria as an example, the hours per module are shown, which are based on the Austrian framework curriculum. This file is supplemented by an overview of all hours per partner country (see exel file "PSA_WP4_dt+en_FINAL overview hours_Level 4_06.12.2022), because the scheduled hours can differ within Europe. In the exel file you can find the maximum and minimum hours for each partner country. The courses and workshops of the PSA are based on the guideline values and can deviate, depending on the learning objective.



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Level 4 – Painter and Decorator

	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Measurement and calculation L4_U1-1 Measurement and calculation	He / she is able <ul style="list-style-type: none"> to properly apply the basic rules, regulations and methods of the various calculations. to analyse and assess received documents. to carry out calculations, compare, identify relationships. to delegate and control individual services for the calculations. to communicate with business partners. 	He / she knows <ul style="list-style-type: none"> the calculations required for work preparation and the implementation of services in the painting trade. the basic rules, regulations and components for the preparation of the following calculations: <ul style="list-style-type: none"> ✓ Measurement calculations ✓ Material calculations ✓ cost calculations ✓ calculation 	He / she can <ul style="list-style-type: none"> read construction drawings, tables and graphics. present the numbers and calculations required for the billing in a clean, clear, unambiguous and clearly recognizable manner. describe and explain these basic rules, regulations, components and methods of the various calculations. create allowance calculations (determine masses / quantities). carry out material calculations (material requirements, productivity, layer thicknesses, consumption calculations, layer thickness conversion, determine material costs). prepare effort calculations (determine and document time requirements). formulate and describe simple calculations (differentiate between net and gross amounts, structure a price calculation, interpret cost offers). 	rules, regulations and methods of the various calculations. Measurement rules.	50	Create measurements on site (mass determination)	100	
				Determine material calculations (demand, consumption, costs, visible thicknesses, conversions)	20	Carry out project-related material calculations	60	
				Effort calculations, simple calculations	45	Project-related simple preliminary and final costing	130	
SUM					115		290	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 2 – Health and safety, environment L4_U2-1 Health and safety	He / she is able <ul style="list-style-type: none"> to take technical and organizational measures to avoid hazards as well as psychological and physical stress for himself/herself and others, including preventive measures. to describe the behaviour in the event of an accident and initiate initial measures in the event of an accident. 	He / she knows <ul style="list-style-type: none"> the dangers (from harmful substances) that arise in many areas of activity in the painting trade. the necessary first aid steps. rights and obligations from the occupational health and safety and accident prevention regulations. the technical standards, regulations, laws and labels. 	He / she can <ul style="list-style-type: none"> determine, check and assess the risks to safety and health at work and on the way to work. select and assign job-related protective measures and necessary measures for the prevention of dangers and accidents according to the situation. explain safe and healthy work and ergonomic working methods. apply the rules of preventive fire protection. describe the behaviour in the event of a fire and take fire-fighting measures. describe, explain and implement the relevant standards and legal regulations (EU law): Health (occupational safety), safety (handling dangerous substances, safety signs, working with ladders and scaffolding, handling electrical devices, personal protective equipment). First aid (correct measures and correct order). read and understand safety data sheets. 	Handling hazardous substances, safety signs	16	Safety equipment in the plant and on the construction site	48	
				Working with ladders and scaffolds	10	Setting up and securing construction sites	30	
				Personal protective equipment	10	Know and comply with safety and protection regulations	30	
				First aid	10	Recognize and avoid hazards. React correctly in the event of accidents at work.	30	
SUM					46		138	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 2 – Health and safety, environment L4_U2-2 Environment	He / she is able <ul style="list-style-type: none"> to recognize possible environmental hazards and independently carry out environmental protection measures depending on the situation. to recognize opportunities to avoid operational pollution for the environment in his/her own area of responsibility and contribute to its further development. to live up to ecological responsibility through considered action (ecological competence). 	He / she knows <ul style="list-style-type: none"> the dangers (from environmentally harmful substances) that arise in many areas of activity in the painting trade. the technical standards, regulations, laws and labels. environmentally friendly materials and coating systems. energy saving measures. environmental protection regulations applicable to the training company. the general measures for environmental protection and waste disposal. 	He / she can <ul style="list-style-type: none"> use the possibilities of economical and environmentally friendly use of energy and materials. implement measures for water pollution control, waste avoidance and disposal. describe and assign measures to save energy. advise customers on environmental protection. select and apply environmentally friendly coatings. adhere to the environmental protection regulations applicable to the training company. avoid waste and recycle or dispose of substances and materials in an environmentally friendly manner. consider economic, environmentally friendly and social aspects in work processes, materials and energy consumption. 	Exploit opportunities for the economical and environmentally friendly use of energy and materials	10	Utilize possibilities of economical and environmentally friendly use of energy and materials.	30	
				Measures for water pollution control	3	Cleaning and maintenance, use of splitting equipment, etc.	9	
				Waste avoidance, -disposal	3	Waste prevention, -disposal	9	
SUM					16		48	



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UNIT 3 – Dealing with information and communication technology and customer orientation L4_U3-1 Dealing with information and communication technology	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	<p>He / she is able</p> <ul style="list-style-type: none"> to handle your own and company-related data from third parties and comply with data protection and data security regulations. to associate risks with the use of digital media and information technology systems assess and comply with regulations when using them. to recognize disruptions in communication processes and contribute to their resolution. to obtain information and differentiating, assessing and evaluating it with regard to the various sources and media. to use IT and the Internet responsibly. 	<p>He / she knows</p> <ul style="list-style-type: none"> the rules (e.g. data protection requirements) and methods in dealing with information and communication technology (ICT). presentation techniques, documentation and storage options. sources for obtaining information. the opportunities and risks of the Internet and digitization in the craft sector. digital media and information technology systems. industry-specific software. technical terms for technical and creative work tasks. the current Basic Data Protection Regulation (GDPR). 	<p>He / she can</p> <ul style="list-style-type: none"> work and communicate with IT (PC etc. and the current basic and application software such as Word, Excel, PowerPoint, Outlook), taking into account the applicable rules and regulations. plan his/her own work steps. analyze and present data. use ICT (e.g. data research). communicate electronically (e-mail, social media) communicate efficiently and in a resource-saving, target-oriented manner, as well as document communication results. do research information in digital networks and obtain it from digital networks as well as checking, evaluating and selecting information, including third-party information. 	Analyze and present data	4	Analyze and present data	30	
				Use information and communication technology (e.g. data research)	4	Use information and communication technology (e.g. data research)	12	
				communicate electronically (e.g. e-mail, video chat)	7	communicate electronically (e.g. e-mail, video chat)	12	
SUM					15		84	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 3 – Dealing with information and communication technology and customer orientation L4_U3-2 Customer orientation	He / she is able <ul style="list-style-type: none"> to advise customers. to create the documentation and presentations required for the process and the acceptance / billing of a customer order. to practice appreciation of others while taking social diversity into account. 	He / she knows <ul style="list-style-type: none"> the importance of customer orientation. the rules for dealing with customers (manners and behaviour in business life). the impact of customer satisfaction on operating results. 	He / she can <ul style="list-style-type: none"> implement measures of customer orientation. structure the customer order in a customer-oriented manner. describe and apply correct behaviour when dealing with customers. submit maintenance suggestions and explain maintenance intervals. carry out work in a customer-oriented manner. receive and forward requests and objections from customers. conduct customer-oriented discussions with customers. inform customers. hand over completed work. classify and present services. 	Accepting orders and planning one's own work steps	1	Accepting orders and planning one's own work steps	8	
				Customer-oriented communication (objections, advice, etc.)	1	Customer-oriented communication (objections, advice, etc.)	8	
				Customer-oriented execution of work	1	Customer-oriented execution of work	14	
SUM					3		30	



UNIT 4 – Planning of processing procedures and setting up workplaces L4_U4-1 Planning of processing procedures	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to take over the planning, preparation and execution of work tasks. to organize the work in the team. to applying problem-solving strategies can reflect on one's own actions and communicate with those involved (employees, customers, ...). to define work processes taking ergonomic and ecological aspects into account. 	He / she knows <ul style="list-style-type: none"> the structure of customer orders (6 phases, see below). the usual order documents (e.g. description of services). the importance of information and technical documents. the subsurface tests and measurements customary on construction sites. 	He / she can <ul style="list-style-type: none"> check specifications for feasibility (after entering the work order). make and use sketches. obtain and use information (technical data sheets and instructions for use). use technical documents (e.g. material lists, operating instructions, manufacturer information, standards, safety rules, work instructions). apply plans and drawings. determine quantities from drawings and plans. plan work steps. carry out and document work tasks with people involved in the company. check local and weather conditions as a prerequisite for starting and carrying out work. carry out underground tests and measurements. provide materials. plan the use of work equipment. carry out safety measures. 	Planning, preparation of work tasks.	8	Present and identify customary contract documents.	20	
				Technical information and instructions for use	2	Technical information and instructions for use	10	
				Planning work processes taking into account ergonomic and ecological aspects.	4	Planning work processes taking into account ergonomic and ecological aspects.	40	
SUM					14		70	



UNIT 4 – Planning of processing procedures and setting up workplaces L4_U4-2 Setting up workplaces	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
		He / she is able <ul style="list-style-type: none"> to set up workplaces taking ergonomic, economic and ecological aspects into account. to apply problem-solving strategies can reflect on one's own actions and communicate with those involved (employees, customers, ...). 	He / she knows <ul style="list-style-type: none"> the essential aspects for the successful establishment of safe workplaces. the importance of security measures for construction sites, for people working in the workplace and against theft of work equipment. 					
			Present measures for occupational safety	3	Present measures for occupational safety	8		
			Traffic and transport routes, energy supply	1	Traffic and transport routes, energy supply	8		
SUM					8		40	



UNIT 5 – Materials and tools, devices, machines and systems L4_U5-1 Materials	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to properly assess and use materials (materials, auxiliary materials and coating materials). to create suitable documentation. 	He / she knows <ul style="list-style-type: none"> the properties and composition of coating materials (e.g. binders, pigments, solvents, additives). the basics for the production of a coating material / lacquer. the drying processes in coating materials 	He / she can <ul style="list-style-type: none"> select work, auxiliary and coating materials based on the order. prepare and provide materials, auxiliary materials and coating materials for processing. select and apply coating materials according to properties, composition and compatibility. process raw materials, auxiliary materials and coating materials using tools, devices, machines and systems. 	Basic knowledge of binders and pigments	8	Proper use of various binders	16	
			Basic knowledge of solvents/thinners	8	Proper use of various solvents/thinners	16		
			To evaluate and use materials (materials, auxiliaries and coatings) in a professional manner	32	Correct use of various materials	64		
			To prepare suitable documentation.	22	Use appropriate documentation	44		
SUM				70		140		



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UNIT 5 – Materials and tools, devices, machines and systems L4_U5-2 Tools, devices, machines and systems	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
		He / she is able <ul style="list-style-type: none"> to operate and maintain tools, devices, machines and systems properly. 	He / she knows <ul style="list-style-type: none"> the tools, equipment, machines and systems required to carry out painting work. the dealing with instructions for use. the handling, care, maintenance and storage of tools, devices, machines and systems. the possible uses of tools, devices, machines and systems. the advantages and disadvantages of the individual tools, devices, machines and systems. 					
		Operate and maintain equipment, machines and systems in a professional manner.	6	Use order-related specific devices, machines and systems	40			
SUM					22		110	



UNIT 6 – Working methods for coating processes and coatings techniques L4_U6-1 Working methods for coating processes and coating techniques	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to select and carry out work processes and coating techniques properly and to control the work carried out. to manufacture, process, treat and design surfaces. to carry out tasks using suitable working processes and coating techniques, and to select and use them to solve special problems. 	He / she knows <ul style="list-style-type: none"> comprehensive facts, principles, procedures and general terms relating to work processes and coating techniques. the properties of the substrates (mineral substrates, building boards, timber and timber-based materials, metal substrates, plastic substrates) and the respective suitable working processes and coating techniques. 	He / she can <ul style="list-style-type: none"> create surfaces through initial and overhaul coatings with suitable coating materials. design surfaces with patterns, tool structures and coating materials. implement fonts and symbols. maintain and preserve surfaces. describe and carry out maintenance and repair work. 	Produce surfaces by applying initial and overhaul coatings using appropriate coating materials.	8	Produce surfaces by applying initial and overhaul coatings using appropriate coating materials.	80	
				Design surfaces with patterns, tool structures and coating materials.	8	Design surfaces with patterns, tool structures and coating materials.	40	
				Maintain and preserve surfaces	2	Maintain and preserve surfaces	16	
				Describe and carry out maintenance and repair work.	4	Describe and carry out maintenance and repair work.	24	
SUM					32		160	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 7 – Surface assessment (test methods) L4_U7-1 TROWELLED SURFACES	He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a mineral substrate using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a mineral substrate on the quality of the coating. general substrate tests for mineral substrates (check for soiling, strength, absorbency, growth such as algae, mold, moss). special tests for plaster substrates (check for alkalinity, moisture, cracks, sintered layers, strength, breakouts, cavities). special substrate tests for masonry (check for breakouts, joint damage, salt efflorescence). special substrate tests for concrete (check for concrete cover of the reinforcement, formwork oil residues, rust flags, surface strength, compressive strength, tear strength). 	He / she can carry out the following test methods, document and compare the results of the assessment or measurement: <ul style="list-style-type: none"> Methods for general exams <ul style="list-style-type: none"> ✓ visual inspection ✓ hand rub ✓ scratch test (with painter's spatula) ✓ wetting test Test methods for plaster substrates <ul style="list-style-type: none"> ✓ visual inspection ✓ measure moisture and pH Methods of testing masonry <ul style="list-style-type: none"> ✓ visual inspection ✓ knock test Methods of testing concrete <ul style="list-style-type: none"> ✓ electromagnetic measurement ✓ wetting test ✓ visual inspection ✓ cratch test ✓ knock test ✓ pulling device ✓ Phenolphthalein test 	Methods for general testing	2	Testing mineral substrates	4	
				Methods for testing plaster substrates	4	Use equipment and methods for testing plaster substrates	8	
				Methods for testing masonry	1	Use devices and methods for testing masonry	2	
				Methods for testing concrete	1	Use devices and methods for testing concrete	2	
SUM					8		16	



UNIT 7 – Surface assessment (test methods) L4_U7-2 PLASTERBOARD, BUILDING BOARDS AND PREFABRICATED PARTS	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to examine and assess the condition of plasterboards, building boards and prefabricated parts in the interior using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of the substrates made of plasterboards, building boards and prefabricated parts in the interior on the quality of the coating. the substrate properties to be checked before coating: surface quality, moisture, adhesion of the cardboard, yellowing of the cardboard, dirt, cracks, mold, corrosion of the fasteners. 	He / she can <ul style="list-style-type: none"> identify the substrate properties relevant for the proper coating of plasterboards, building boards and prefabricated parts in the interior by visual inspection. analyze and document the results of the review. 	Methods for general testing	1	Testing building slabs and friable part substrates	2	
				Methods for testing interior building panels and prefabricated parts	3	Use equipment and methods for testing building panels and prefabricated parts	6	
SUM					4		8	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 7 – Surface assessment (test methods) L4_U7-3 TIMBER SURFACES	He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a timber substrate by using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a timber substrate on the quality of the coating. the substrate tests to be carried out before coating timber substrates and timber structures (check for moisture, grayed timber, cracks in the timber, resin pockets and timber constituents, timber pests, load-bearing capacity of old coatings). the timber defects that have to be detected before the coating of timber substrates and timber structures (loose knots, sharp edges, edge alignment, insufficient tendency to run off, open timber connections, timber dowels, finger-jointing). 	He / she can <ul style="list-style-type: none"> recognize the substrate properties relevant for the proper coating of timber substrates by means of suitable test methods (visual inspection, scratch test, moisture measurement, adhesive tape test). analyze and document the results of the review. 	Methods for general testing	2	Testing timber substrates	4	
				Methods for testing wood defects	4	Use equipment and methods for testing wood defects	8	
				Methods for testing moisture and bearing capacity of old coatings	1	Use devices and methods for testing wood moisture and the load-bearing capacity of old coatings	2	
				Methods for testing old coatings	1	Use devices and methods for testing old coatings	2	
				SUM				8



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 7 – Surface assessment (test methods) L4_U7-4 METAL SURFACES (Iron Steel)	He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a metal substrate - iron / steel using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a metal substrate - iron / steel on the quality of the coating. the substrate tests that have to be carried out before coating metal substrates - iron / steel (check for scale and mill skin, rust, impurities, grease, oils, adhesion of the old coating, recoatability of the old coating). 	He / she can <ul style="list-style-type: none"> recognize the substrate properties relevant for the proper coating of metal substrates - iron / steel, by means of suitable test methods (visual inspection, scratch test, cross-cut test, adhesive tape test, test with copper sulphate solution). analyze and document the results of the review. 	Methods for general testing	1	Testing ferrous metals	2	
				Methods for testing metal damage/contamination	4	Use equipment and procedures to inspect for metal damage and contamination	8	
				Methods for testing the bearing capacity of old coatings	2	Use devices and methods for testing old coatings	4	
SUM					7		14	



UNIT 7 – Surface assessment (test methods) L4_U7-5 METAL SURFACES - Non-ferrous metals: Zinc	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a metal substrate - zinc using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a metal substrate - zinc on the quality of the coating. the substrate tests that must be carried out before coating a metal substrate - zinc (check for visible and recognizable defects (e.g. damaged galvanization), contamination, grease, oils, load-bearing capacity and adhesion of old coatings). 	He / she can <ul style="list-style-type: none"> recognize the substrate properties relevant for the proper coating of a metal substrate - zinc by means of suitable test methods (visual inspection, scratch test, cross-cut test, adhesive tape test). analyze and document the results of the review. 	Methods for general testing	1	Testing non-ferrous metals	2	
				Methods for testing zinc damage/ Impurities	4	Use equipment and procedures to inspect zinc damage and contamination	8	
				Methods for testing the bearing capacity of old coatings	2	Use devices and methods for testing old coatings	4	
SUM					7		14	



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Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
	Knowledge	Skills					
He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a metal substrate - aluminum using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a metal substrate - aluminum on the quality of the coating. the substrate tests to be carried out before coating a metal substrate - aluminum (check for visible and recognizable defects (e.g. pitting, etched spots), contamination, grease, oils, load-bearing capacity and adhesion of old coatings, aging). 	He / she can <ul style="list-style-type: none"> recognize the substrate properties relevant for the proper coating of a metal substrate - aluminum by means of suitable test methods (visual inspection, scratch test, cross-cut test, adhesive tape test). analyze and document the results of the review. 	Methods for general testing	1	Testing aluminum substrates	2	
			Methods for testing aluminum damage/contamination	4	Use equipment and procedures to test for aluminum damage and contamination	8	
			Methods for testing old coatings (bearing capacity)	2	Use devices and methods for testing old coatings	4	
SUM				7		14	



Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
	Knowledge	Skills					
He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a metal substrate - copper using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a metal substrate - copper on the quality of the coating. the substrate tests that are to be carried out before coating a metal substrate - copper (check for visible and recognizable defects, impurities, grease, oils, aging). 	He / she can <ul style="list-style-type: none"> recognize the substrate properties relevant for the proper coating of a metal substrate - copper by means of suitable test methods (visual inspection, scratch test, cross-cut test, adhesive tape test). analyze and document the results of the review. 	Methods for general testing	1	Testing copper metals	2	
			Methods for testing of copper damage/contamination	4	Use equipment and procedures to test for copper damage and contamination	8	
			Methods for testing of old coatings (bearing capacity)	2	Use equipment and methods for testing old coatings	4	
SUM				7		14	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 7 – Surface assessment (test methods) L4_U7-8 PLASTIC-SURFACES	He / she is able <ul style="list-style-type: none"> to examine and assess the nature of a plastic substrate using suitable test methods. to document the results of the test. to take or initiate the necessary measures to remedy identified defects, based on the results of the inspection. 	He / she knows <ul style="list-style-type: none"> the influence of the nature of a plastic substrate on the quality of the coating. the substrate tests that must be carried out before coating a plastic substrate (check for type of plastic, weathering, release agents, old coatings). 	He / she can <ul style="list-style-type: none"> recognize the substrate properties relevant for the proper coating of a plastic substrate by means of suitable test methods (research type of plastic, visual inspection, touch, wetting test, scratch test, cross-cut test, adhesive tape test, compatibility test). analyze and document the results of the review. 	Methods for general testing	1	Testing plastics	2	
				Methods for testing plastic damage/contamination	2	Use equipment and methods for testing copper damage and contamination	4	
				Methods for testing old coatings (load bearing capacity)	2	Use devices and methods for testing old coatings	4	
SUM					5		10	

UNIT 8 – Surface treatments (preparing substrates for coatings) L4_U8-1 Surface treatments (preparing substrates for coatings)	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to professionally select and carry out substrate treatments, tailored to the nature and requirements of the respective substrate and check the work carried out in order to achieve stable surfaces for subsequent coatings. 	He / she knows <ul style="list-style-type: none"> the properties and materials of the typical substrates in the building trade. the properties and characteristics of the base, intermediate and topcoats. different primers. subsurface treatments that serve diurnal and solid surfaces and corrosion protection (chemical, electro-chemical, biological). 	He / she can <ul style="list-style-type: none"> select the suitable substrate treatments and to carry them out professionally: <ul style="list-style-type: none"> ✓ removal of plaster damage ✓ fluting, hydrophobing ✓ impregnate ✓ grouting with sealants ✓ smoothing and filling (e.g. filling according to quality levels Q1 to Q4, putty) apply base coats for subsequent topcoats. 	Evaluate substrates	8	Use equipment and procedures to test substrates	24	
				Prepare substrates	24	Prepare substrates, remove coatings	40	
				Select materials for substrate preparation	14	Select and check job-related materials	32	
				Work on substrates	24	Repair substrates, level out unevenness, apply suitable primers, ...	129	
SUM					75		225	



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UNIT 9 – Coating systems (layers of coating) L4_U9-1 Coating systems (layers coatings)	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to select the coating and the correct coating structure required for the respective substrate and to carry out and control the coating properly. to justify the respective coating structure to persons and customers involved in the company. 	He / she knows <ul style="list-style-type: none"> the type of coating processes and their characteristics. coating systems (primer, intermediate, topcoat) for mineral substrates, timber, metal and plastic substrates. the tasks of the individual layers of a coating. the different coating materials, the essential properties and the most important areas of application. 	He / she can <ul style="list-style-type: none"> apply coatings in compliance with standards and guidelines for the processing of different coating materials. execute and prove the required layer thicknesses. 	Prepare coating work	32	Re-mixing of color tones according to specifications under supervision	40	
				Apply coatings	32	Coatings on different substrates using different working techniques	200	
				Renovate coating defects	36	Recognition of coating defects and their elimination	60	
SUM					100		300	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 10 – Decorative design L4_U10-1 Stylistics, color and form theory, writing	He / she is able <ul style="list-style-type: none"> to receive and forward customer requests. to inform customers and justify design proposals. 	He / she knows <ul style="list-style-type: none"> the basic building / art styles and their characteristics. the basics of the geometry / architecture of a room. the basics of form and color theory. the basics of communicative and decorative design. 	He / she can <ul style="list-style-type: none"> classify the basic building / art styles. determine the geometry / architecture of a room and apply the basic rules of design. use fonts, symbols, pictorial representations and ornaments in the design of rooms and surfaces. 	Basics of building and art styles	8	Basics of building and art styles	8	
				Basics of geometry/architecture of a room	8	Basics of geometry/architecture of a room	---	
				Use fonts, signs, pictorial representations and ornaments in the design of spaces and surfaces	8	Using fonts, signs, pictorial representations and ornaments in the design of spaces and surfaces	---	
				Constructions and types of illustration in decorations	16	Decoration techniques	12	
SUM					40		20	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 10 – Decorative design L4_U10-2 Decoration techniques	He / she is able <ul style="list-style-type: none"> to describe design work and to carry it out professionally, taking into account the customer's wishes. to document the design work. to produce lettering and means of communication. 	He / she knows <ul style="list-style-type: none"> the basics of room and facade design. the typical substrates in the building trade and the requirements for the substrates of the design techniques. the difference between safety signs and road markings and the respective application techniques. that the quality of the design techniques, in addition to high-quality materials and special tools, depends in particular on the craftsmanship and the "handwriting" of the person carrying out the work. 	He / she can <ul style="list-style-type: none"> design rooms and areas with coating materials and wall, ceiling and floor coverings. produce metallic appliqués. present room concepts and facade designs to customers. create surface effects with coating materials, glazes, applications, bronze techniques and sheet metal coatings: <ul style="list-style-type: none"> ✓ Simple design techniques (dabbing technique, winding technique, design with Pattern rollers, combing technique, speckling technique, dabbing technique, stenciling technique, stamping technique, spatula technique). ✓ Complex design techniques (timber imitation, grain, stone imitation (marble, granite, sandstone, illusion painting)). ✓ Individual creative techniques. ✓ Design with leaf metals. carry out decoration and restoration work while observing the style epochs, especially in rooms and facades. prepare and implement drafts for simple communicative and decorative designs (e.g. fonts, symbols, ornaments). carry out safety signs and road markings. 	Basics decoration techniques	8	Creating stencils, grid enlargement	24	
				Complex design techniques	40	Complex design techniques	80	
				Individual creative techniques	16	Individual creative techniques	40	
				Gilding techniques	6	Gilding techniques	46	
SUM					70		190	

	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 11 – Wallpapering L4_U11-1-1 Wallpapering	He / she is able <ul style="list-style-type: none"> to use wall coverings to design rooms and surfaces. to derive work tasks within the framework of wall cladding and to control persons involved in the operation during implementation. to advise customers. 	He / she knows <ul style="list-style-type: none"> the importance of wallpaper and wall coverings for the design of wall surfaces. the history, development and manufacture of wallpapers and wall coverings. the classification of wallpapers and wall coverings according to EN 233 and EN 234. the requirements for wallpapering substrates. rules, tools / devices and processing regulations for professional wallpapering. He / she knows the wallpaper markings according to EN 235 and the wallpaper adhesive (depending on the use of the wall covering and the type of wallpaper).	He / she can <ul style="list-style-type: none"> cover surfaces (carry out wallpapering and gluing work). process wall coverings - taking into account the following sub-tasks: <ul style="list-style-type: none"> ✓ determine the need for wallpaper ✓ select wallpapering tools and equipment and have them ready ✓ check the wallpaper labeling ✓ check wallpaper ✓ cut wallpaper prepare, carry out wallpaper paste carry out wall coverings, taking into account the following sub-tasks: <ul style="list-style-type: none"> ✓ paste ✓ wallpapering practice check the substrate and select the substrate preparation suitable for the specific wall covering. describe, assign, explain and apply the rules, tools / devices and processing guidelines for professional wallpapering. 	Substrate testing/ pretreatment, adhesives	6	Substrate testing/ pretreatment, adhesives	40	
				Types of wallpaper, markings	4	Types of wallpaper, markings	16	
				Determining wallpaper requirements	4	Determining wallpaper requirements	32	
				Processing of wall coverings	8	Processing of wall coverings	132	
SUM					22		220	



	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 12 – Protective and speciality finishes L4_U12-1 Protective and speciality finishes	He / she is able <ul style="list-style-type: none"> to implement measures for timber and building protection. to select and carry out protective and special coatings in a professional manner and to check the work carried out. to develop customer-oriented problem solutions. <i>(Note: These are coatings that specialist painters can carry out without additional qualifications.)</i>	He / she knows <ul style="list-style-type: none"> features, properties and tasks of the most important protective and special coatings. the necessary materials, tools and devices, machines and systems for processing protective and special coatings. the standards and regulations that must be observed for the execution of such coatings. 	He / she can <ul style="list-style-type: none"> carry out preventive timber and building protection measures. eliminate damage from timber-destroying fungi and insects on timber structures and components. carry out special coatings and sealings on floor surfaces. carry out preventive fire protection on timber and steel components. apply protective and maintenance coatings to metal surfaces. apply protective and maintenance coatings to concrete and aerated concrete surfaces. clean natural stones, exposed masonry and concrete surfaces. seal surfaces made of fiber cement taking into account the properties that are hazardous to health. repair cracked plaster surfaces. in particular, carry out the following protective and special coatings correctly and document the results: <ul style="list-style-type: none"> ✓ concrete protective coatings ✓ fire protection coatings ✓ anti-corrosion coatings ✓ floor coatings ✓ coating of trusses 	Concrete protection	8	Concrete protection	32	
				Fire protection	6	Fire protection	8	
				Floor coating	8	Floor coating	32	
				Corrosion protection coatings	8	Corrosion protection coatings	33	
SUM					30		105	



UNIT 13 – Assembly work L4_U13-1 Assembly work	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to carry out and check dismantling and assembly work. to develop customer-oriented solutions to problems. 	He / she knows <ul style="list-style-type: none"> features, properties and tasks of the most important assembly work. the concepts of dry construction. the areas of application of dry construction and the advantages and disadvantages of this construction method. the necessary materials, tools, devices, machines and systems to carry out assembly work. 	He / she can <ul style="list-style-type: none"> assemble system elements, components, prefabricated parts and prefabricated elements, including substructures: <ul style="list-style-type: none"> ✓ dry construction (post construction, substructures, single post, double post, installation walls) ✓ ceiling structures ✓ assembly of plasterboard ✓ filling (quality levels Q1 - Q4) ✓ joint formation ✓ primer 	Carry out and check dismantling and assembly work	10	Carry out and check dismantling and assembly work	110	
			Develop customer-oriented solutions to problems.	5	Develop customer-oriented solutions to problems.	40		
SUM					15		150	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 13 – Standards and quality control L4_U13-2 Insulation work	He / she is able <ul style="list-style-type: none"> to carry out and control energy-saving measures (thermal insulation work). to develop customer-oriented solutions to problems. 	He / she knows <ul style="list-style-type: none"> features, properties and tasks of the most important insulation work. the concepts of thermal insulation. standards and guidelines that are required to carry out such services. the tools, equipment, machines and systems required to carry out insulation work. the basics of thermal protection. the properties and areas of application of the thermal insulation materials. the construction of external and internal insulation. the most important materials for performing insulation work: <ul style="list-style-type: none"> thermal insulation materials (rigid polystyrene foam boards, mineral fibers, polyurethane, timber fiber boards, ...) thermal insulation plaster 	He / she can <ul style="list-style-type: none"> install insulation and separating layers. apply coating and assembly techniques to reduce heat losses. create thermal insulation composite systems. select and use cold and moisture protection systems. carry out insulation work properly and document the results: <ul style="list-style-type: none"> thermal insulation composite systems (insulation layer, reinforcement, top-coat) interior insulation (thermal wallpaper, composite panels, facing shells, calcium silicate panels, etc.) 	Carry out and check insulation work	0	Carry out and check insulation work	0	
				Develop customer-oriented solutions to problems.	0	Develop customer-oriented solutions to problems.	0	
SUM					0		0	

Note: Not part of the training in Austria.



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UNIT 14 – Standards and quality control (management) L4_U14-1 Standards and quality control (management)	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to apply quality assurance measures. to select and apply suitable measures of operational quality management for problem solving. to supervise and control the implementation and implementation. to reflect on one's own actions and to communicate with other participants. 	He / she knows <ul style="list-style-type: none"> the most important occupational standards, technical guidelines, regulations and laws. the importance and characteristics of quality control. quality assurance measures. the rules of operational quality management. 	He / she can <ul style="list-style-type: none"> check and describe the most important job-related standards, regulations and laws (for order processing, technical order execution, training and employment relationships). implement quality assurance measures (evaluate measurement and test results. Document and evaluate object related weather measurements.). 	Standards, regulations and laws	8	Standards, regulations and laws in the company (order processing, -execution, working relationship)	32	
			Quality control / management	7	Measures for problem solving and elimination	13		
SUM					15		45	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 15 – Historical painting techniques L4_U15-1 Historical painting techniques	He / she is able <ul style="list-style-type: none"> for the professional implementation of historical painting techniques. to demonstrate that the quality of historical painting techniques depends on high-quality materials, historical recipes and special tools, special specialist knowledge and skills on manual skill and knowledge of surface decorations in the historical inventory. to delegate, supervise and control this work. to work together with restorers and monument protection officers. 	He / she knows <ul style="list-style-type: none"> the importance of historical painting techniques for the painting trade. the special requirements for professional competence that are required to carry out high-quality historical painting techniques. the history, style, structure and function of the architecture of objects and spaces. the basics of restoration and monument protection. the test and evaluation criteria of the subsurface. the materials and application techniques. the damage patterns on substrates, coatings and objects. high-quality materials, historical recipes and special tools and devices that are to be used for surface decorations in historical buildings. the rules and processing guidelines for the professional execution of historical painting techniques. 	He / she can <ul style="list-style-type: none"> recognize, check and evaluate historical undergrounds. select special materials and application techniques and apply them to the object. recognize damage patterns on substrates, coatings and objects and take suitable measures to eliminate them. describe and apply the rules and processing guidelines for the professional execution of historical painting techniques. carry out the historical painting techniques, taking into account the specifications of the monument office and the regulatory principles of the monument protection: <ul style="list-style-type: none"> Basic services and techniques (diagnosis, documentation, subsurface evaluation, lime technique, casein technique, chalk bases, stencil technique, fresco technique, lime smoothing technique) Reconstruction techniques (timber imitation (grain), stone imitation (marble, granite, sandstone), illusion painting, forms of writing). Gilding techniques (oil gilding, poliment gilding, gilding behind glass). 	Subsoil testing	8	Subsoil testing	16	
				Findings, documentation, subsoil evaluation	4	Findings, documentation, subsoil evaluation	8	
				Historical techniques	8	Execution of historical techniques	24	
				Gilding techniques	2	Execute gilding techniques	18	
SUM					22		66	

Note: Some of the listed techniques (skills) overlap with UNIT 10 Decorative Design.



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 16 – Lay floor coverings L4_U16-1 Lay floor coverings	He / she is able <ul style="list-style-type: none"> to advise the customer professionally and to propose solutions to problems. to check that the flooring work has been carried out correctly. to implement the rules of craftsmanship and manufacturer guidelines. to observe the rules for occupational health and safety and environmental protection. 	He / she knows <ul style="list-style-type: none"> the properties and classifications of the materials as well as the advantages and disadvantages of the different floor coverings. techniques for laying floor coverings. the necessary tools, equipment, machines and materials. current trends (studies). the regulations for documentation. specific standards and rules for occupational safety and environmental protection. technical regulations and the necessary quality assurance measures. 	He / she can <ul style="list-style-type: none"> use specific knowledge and know-how in order to be able to carry out the work and solve problems. advise customers. answer questions (e.g. problem solving, sustainability, cleanability, safety, health protection). select tools, equipment, machines and required materials. apply practical knowledge of procedural options. plan, implement and document the execution of floor coverings: <ul style="list-style-type: none"> ✓ Resilient floor coverings (e.g. linoleum, PVC) ✓ Textile floor coverings (carpets) ✓ timber floors (e.g. finished parquet, laminate) ✓ Stone floors (installation using the thin-bed method) 	Professional advice. Rules of the trade.	0	Professional advice. Rules of the trade.	0	
				Professional execution and control of flooring works. Rules for occupational safety, health and environmental protection.	0	Professional execution and control of flooring works. Rules for occupational safety, health and environmental protection.	0	
SUM					0		0	

Hints:

- a) Stone floors (tiles made of natural stone or fired plastic) are not, or only to a very limited extent, carried out by painters and varnishers in Germany. This work is part of the job of tiler.
- b) For floor coatings, see "UNIT 12 Protective and Special Coatings".



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 17 – Ecological painting and sustainability L4_U17-1 Ecological painting	He / she is able <ul style="list-style-type: none"> to professionally advise the customer and to propose solutions to problems. to control the ecological painting work carried out. to apply the rules of craftsmanship. to observe the manufacturer's guidelines and rules on occupational health and safety and environmental protection. to use technical, personal, social and methodological skills: <ul style="list-style-type: none"> ✓ Natural paints (e.g. mineral paints, lime paints, casein paints, silicate paints) ✓ Natural plasters (e.g. clay plasters, lime plasters) ✓ Natural lacquer (e.g. shellac) ✓ Oil paints (e.g. linseed oil paint) ✓ Grow 	He / she knows <ul style="list-style-type: none"> the properties and classifications of the materials as well as the advantages and disadvantages of the various natural materials. the necessary tools, equipment and machines. current trends (studies) and labels. the regulations for documentation. the components of natural materials and coating materials. areas of application and requirements. the coating structure of the individual systems. measures against mold, fungi, pests, etc. the materials for carrying out ecological painting work. 	He / she can <ul style="list-style-type: none"> use knowledge and know-how to carry out the work and solve problems. answer questions (e.g. on sustainability, cleanability, health and environmental protection). select and use tools, equipment, machines and required materials. produce natural materials and coating materials in-house. advise customers. plan, implement and document the execution of ecological painting work. apply practical knowledge of procedural options. 	Professional advice (rules of craftsmanship, occupational safety, health and environmental protection).	8	Professional advice (rules of craftsmanship, occupational safety, health and environmental protection).	40	
				Measures against mold, fungi, pests, etc.	8	Measures against mold, fungi, pests, etc.	10	
				Professional execution of ecological painting works.	9	Professional execution of ecological painting works.	40	
SUM					25		90	



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UNIT 17 – Ecological painting and sustainability L4_U17-2 Sustainability	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to work together with employees, colleagues and customers, in compliance with company regulations, in terms of economic, ecological and socially sustainable development and to communicate in a way that is appropriate to the target group. 	He / she knows <ul style="list-style-type: none"> the philosophy of sustainability and working with natural materials. the effects of the painting trade on the environment (“ecological footprint”). current trends (studies) and labels. all necessary recycling measures (cycle). the regulations for documentation. opportunities to avoid operational burdens on the environment and society. 	He / she can <ul style="list-style-type: none"> use economic, environmentally friendly and social aspects of sustainability in work processes and with regard to products, goods or services, materials and energy. develop suggestions for sustainable action for his / her own work area. recognize ways of avoiding company-related burdens on the environment and society in his / her own area of responsibility and contribute to their further development. 	Work in compliance with company regulations, in the sense of economic, ecological and social sustainable development.	5	Work in compliance with company regulations, in the sense of economic, ecological and social sustainable development.	15	
				Identify opportunities for avoiding operational burdens on the environment and society in their own area of responsibility and contribute to their further development.	5	Identify opportunities for avoiding operational burdens on the environment and society in their own area of responsibility and contribute to their further development.	15	
SUM					10		30	

Note: Some of the knowledge and skills listed may overlap with UNIT 2, 5 to 10 and 15



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List of sources

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