



<b>Work package</b>	<b>WP3 – Multilevel Qualification Portfolio on EQF levels 1 to 6</b>			
<b>Result</b>	R3.1 - Multilevel Qualification Portfolio for the Painting Trade			
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<b>Quality Reviewer</b>				
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<b>Project Coordinator</b>	SBG			





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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>Overview</b>
<b>EQF LEVEL</b>	<b>3</b>

<b>UNITS OF LEARNING OUTCOMES</b>	<b>L3_U1</b>	<b>Measurements and calculations</b>	
		L3_U1-1	Measurements and calculations
	<b>L3_U2</b>	<b>Health and safety, environment</b>	
		L3_U2-1	Health and safety
		L3_U2-2	Environment
	<b>L3_U3</b>	<b>Dealing with information and communication technology and customer orientation</b>	
		L3_U3-1	Dealing with information and communication technology
		L3_U3-2	Customer orientation
	<b>L3_U4</b>	<b>Acceptance of orders and setting up workplaces</b>	
		L3_U4-1	Acceptance of orders
		L3_U4-2	Setting up workplaces
	<b>L3_U5</b>	<b>Materials and tools, devices, machines and systems</b>	
		L3_U5-1	Materials
		L3_U5-2	Tools, devices, machines and systems
	<b>L3_U6</b>	<b>Working methods for coating processes (cleaning, decoating, spraying) and coating techniques</b>	
		L3_U6-1	Working methods for coating processes
		L3_U6-2	Coating techniques



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<b>UNITS OF LEARNING OUTCOMES</b>	<b>L3_U7</b>	<b>Surface assessment (test methods)</b>	
	L3_U7-1	<b>Surface assessment (test methods) – TROWELLED SURFACE</b>	
	L3_U7-2	<b>Surface assessment (test methods) – PLASTERBOARD</b>	
	L3_U7-3	<b>Surface assessment (test methods) – TIMBER SURFACES</b>	
	L3_U7-4	<b>Surface assessment (test methods) – METAL SURFACES (Iron Steel)</b>	
	L3_U7-5	<b>Surface assessment (test methods) – METAL SURFACES: Non-ferrous metals - Zinc</b>	
	L3_U7-6	<b>Surface assessment (test methods) – METAL SURFACES: Non-ferrous metals - Aluminium</b>	
	L3_U7-7	<b>Surface assessment (test methods) – METAL SURFACES: Non-ferrous metals - Copper</b>	
	L3_U7-8	<b>Surface assessment (test methods) – PLASTIC-SURFACES</b>	
	<b>L3_U8</b>	<b>Surface treatments (preparing substrates for coatings)</b>	
	L3_U8-1	Surface treatments (preparing substrates for coatings)	
	<b>L3_U9</b>	<b>Coating systems (coating structure)</b>	
	L3_U9-1	Coating systems (coating structure)	
	<b>L3_U10</b>	<b>Decorative design</b>	
	L3_U10-1	Stylistics, color and form theory, writing	
	L3_U10-2	Decoration techniques	
	<b>L3_U11</b>	<b>Wallpapering</b>	
	L3_U11-1	Wallpapering	
	<b>L3_U12</b>	<b>Protective and speciality finishes</b>	
	L3_U12-1	Protective and speciality finishes	
	<b>L3_U13</b>	<b>Standards and quality control</b>	
	L3_U13-1	<b>Standards and quality control</b>	





<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 1 – Measurement and calculation</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U1-1 Measurement and calculation</b>	<p>He / she knows that solving mathematical problems is part of the daily work for painters in order to be able to invoice the work done.</p> <p>He /she knows</p> <ul style="list-style-type: none"> <li>- the necessary calculations, can describe, explain and present them.</li> <li>- the rules, guidelines and components for the presentation of the following calculations: <b>Measurement calculations</b> (determination of quantities. The measurement. The measurement rules.)</li> </ul>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- read simple construction drawings, tables and graphics.</li> <li>- present or write the numbers or calculation processes required for billing in a clean, clear, unambiguous and clearly recognizable manner.</li> <li>- carry out and control allowance calculations (determination of quantities).</li> <li>- carry out material calculations.</li> </ul>	<p>He / she is able to carry out calculations and apply the results, in compliance with rules and methods.</p> <p>He / she notifies deal with business partners / customers.</p>



# PAINTING SKILLS ACADEMY

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LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
L3_U1-1	<b>Material calculation, material standards</b> (Material requirements, productivity, layer thicknesses, consumption / layer thickness conversion, price calculation)		



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 2 – Health and safety, environment</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U2-1 Health and safety</b>	<p>He / she knows that there are dangers (due to substances harmful to health and the environment) in many areas of activity in the painting trade.</p> <p>He / she has basic knowledge of electrical protection and safety procedures.</p> <p>He / she knows the necessary first aid steps, can describe and explain them.</p>	<p>He / she can determine the protective measures and necessary measures to prevent accidents.</p> <p>He / she interprets the relevant standards and legal regulations (EU law) according to the situation and applies them:</p> <ul style="list-style-type: none"> <li>✓ Handling of dangerous substances</li> <li>✓ Safety signs</li> <li>✓ Working with ladders and scaffolding</li> <li>✓ Handling electrical devices</li> <li>✓ Personal protective equipment</li> <li>✓ First aid</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- interpret the subject-specific and fundamental occupational safety measures.</li> <li>- recognize specific dangers and possible accident risks and to apply protective measures depending on the situation.</li> <li>- communicate with others.</li> <li>- prevent emergencies through considered action, and in an emergency to ask for help appropriately or to provide help yourself, to extinguish minor fires and to formulate a protocol.</li> </ul>





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<b>L3_U2-1</b>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the subject-specific standards, regulations, laws, labels and can formulate and differentiate between them.</li> <li>- the illnesses specific to the occupation and the necessary preventive measures.</li> </ul> <p>He / she has basic knowledge of how to behave in the event of fire, industrial accidents and evacuation.</p>	<p>He / she can apply the technical standards, regulations, laws and labels.</p>	
<b>L3_U2-2 Environment</b>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the general and job-specific measures for environmental protection and waste disposal.</li> <li>- environmentally friendly coatings and measures to save energy.</li> <li>- Possibilities for avoiding operational burdens on the environment and society in one's own area of responsibility.</li> </ul> <p>He / she has basic knowledge of the relevant aspects of sustainability (material, energy and atmosphere, human health and the ecosystem and social responsibility).</p>	<p>He / she interprets the relevant standards and legal regulations (EU law) according to the situation and applies them:</p> <ul style="list-style-type: none"> <li>✓ in the working world of the painting trade</li> <li>✓ in painting technology</li> <li>✓ for measures to keep the water clean</li> <li>✓ in avoiding and disposing of waste</li> </ul> <p>He / she can</p> <ul style="list-style-type: none"> <li>- advise customers on environmental protection (justifying measures), apply environmentally friendly coatings and set up measures to save energy.</li> <li>- recognize operational burdens on the environment and society in their own area of responsibility.</li> <li>- comply with the environmental protection regulations applicable to the training company.</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- classify the subject-specific and fundamental environmental protection regulations.</li> <li>- recognize environmental hazards and justify and implement protective measures depending on the situation.</li> <li>- do justice to ecological responsibility (ecological competence) and to communicate with others.</li> <li>- to avoid waste and to recycle or dispose of substances and materials in an environmentally friendly manner.</li> </ul>







<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 3 – Dealing with information and communication technology and customer orientation</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U3-1 Dealing with information and communication technology</b>	He / she knows <ul style="list-style-type: none"> <li>- the rules (e.g. data protection requirements, Basic Data Protection Regulation (GDPR)) and methods in dealing with information and communication technology.</li> <li>- the methods for independent action.</li> <li>- presentation techniques.</li> <li>- documentation and storage options.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- complete tasks with IT and the current basic and application software (e.g. Windows, Word, Excel).</li> <li>- use information and communication technology (e.g. data processing).</li> <li>- communicate electronically (email).</li> <li>- secure data.</li> <li>- apply data protection.</li> <li>- Handle own and company-related data of third parties while complying with the regulations on data protection and data security.</li> <li>- assess the risks associated with the use of digital media and information technology systems and comply with regulations when using them.</li> </ul>	He / she is able to <ul style="list-style-type: none"> <li>- use IT as appropriate to the situation.</li> <li>- obtaining information and differentiating it, with regard to the various sources and media.</li> <li>- use IT and the Internet responsibly and assess the risks involved in using ICT.</li> </ul>





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
		He / she can <ul style="list-style-type: none"> <li>- research information in digital networks and obtain information from digital networks.</li> <li>- check, evaluate and select information, including information from other sources.</li> </ul>	
<b>L3_U3-2</b> <b>Customer orientation</b>	He / she knows <ul style="list-style-type: none"> <li>- the customer order and the importance of customer orientation for the company.</li> <li>- the relevant rules of customer orientation (customer-oriented behavior).</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- carry out work in a customer-oriented manner.</li> <li>- receive and forward the wishes and objections of the customer.</li> <li>- clarify the customer order and communicate with the customer in a customer-oriented manner.</li> </ul>	He / she is able to create the documentation and presentations required for the process and billing of a customer order under the guidance of persons involved in the company.



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 4 – Acceptance of orders and setting up workplaces</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U4-1 Acceptance of orders</b>	<p>He / she knows that a customer order (mostly) runs according to certain structures.</p> <p>He / she knows the basic tasks of taking on orders (preparation and organization of work tasks).</p>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- record the work order and formulate individual work steps.</li> <li>- determine the work equipment.</li> <li>- obtain and interpret information (e.g. technical data sheets, instructions for use).</li> <li>- create color samples.</li> <li>- read simple plans and drawings.</li> <li>- calculate material quantities.</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- describe the work order (customer order) and to carry it out with operationally involved persons.</li> <li>- use technical documents (e.g. manufacturer information, safety rules, work instructions).</li> </ul>
<b>L3_U4-2 Setting up workplaces</b>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the different types of workplaces (stationary and location-independent) and can differentiate between them.</li> </ul>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- set up, secure, maintain and close workplaces.</li> <li>- select ladders and scaffolding as well as assemble and dismantle them.</li> </ul>	<p>He / she is able to</p> <p>formulate, implement and modify the relevant elements for setting up workplaces with people involved in the company.</p>





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
L3_U4-2	He / she knows <ul style="list-style-type: none"> <li>- the relevant elements that are required for the establishment of location-independent workplaces (construction sites).</li> <li>- the measures for securing, maintaining and closing off location-independent workplaces.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- describe and present traffic and transport routes.</li> <li>- apply the measures for occupational safety (e.g. personal protective equipment).</li> <li>- take safety measures when handling electrical power.</li> <li>- arrange for the water and energy supply.</li> </ul>	



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 5 – Materials and tools, devices, machines and systems</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U5-1 Materials</b>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the types, properties, compositions and compatibility of the materials, auxiliary materials and coating materials.</li> <li>- the rules for the transport and storage of materials, auxiliary materials and coating materials.</li> <li>- the processing guidelines for materials, auxiliaries and coating materials.</li> </ul>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- differentiate work, auxiliary and coating materials according to type, properties, composition and compatibility and assign them to the work order.</li> <li>- select materials, auxiliary materials and coating materials for processing and check for errors.</li> <li>- transport materials, auxiliary materials and coating materials and store them in an environmentally friendly manner.</li> <li>- provide work, auxiliary and coating materials for processing at the workplace.</li> <li>- process materials, auxiliary materials and coating materials.</li> </ul>	<p>He / she is able to</p> <p>implement the processing of materials, auxiliary materials and coating materials with operationally involved persons.</p>





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<p><b>L3_U5-2</b>  <b>Tools, devices, machines and systems</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the various tools, devices, machines and systems: Measuring and testing devices. Devices / machines for subsurface preparation, for cleaning and for stripping and coating.</li> <li>- the areas of application of the tools and equipment that he / she uses in the course of his / her work.</li> <li>- the accident prevention regulations and protective devices when handling tools, devices, machines and systems.</li> <li>- the relevant elements of a functional check.</li> </ul>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- select and use tools and devices appropriate to the situation.</li> <li>- set up and operate devices, machines and systems.</li> <li>- recognize malfunctions and arrange for their elimination.</li> <li>- carry out and document functional checks (in checklists).</li> </ul>	<p>He / she is able,</p> <p>after planning the work task and with operationally involved persons, to operate and maintain the suitable tools, devices, machines and systems in a suitable condition.</p>



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 6 – Working methods for coating processes (cleaning, decoating, spraying) and coating techniques</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U6-1</b> <b>Working methods for coating processes</b>	He / she knows the facts, principles and general terms relating to work processes that are required for the professional implementation of the essential work processes.	He / she can <ul style="list-style-type: none"> <li>- apply coatings (paint, roll, spray)</li> <li>- create templates for communicative and decorative design elements, transfer them to scale and use them.</li> <li>- cover and mask off.</li> <li>- carry out cleaning work.</li> <li>- remove old coatings.</li> <li>- fill and plaster surfaces (smooth surfaces).</li> <li>- grind and polish surfaces.</li> <li>- apply materials by hand and machines (brush, roll, spray).</li> <li>- select and prepare coating materials based on the order.</li> <li>- mix and remix colors.</li> </ul>	He / she is able to carry out suitable work processes and check the work carried out, in compliance with specifications and with operationally involved persons.





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<p><b>L3_U6-2</b> <b>Coating techniques</b></p>	<p>He / she knows the facts, principles and general terms to use the most important coating techniques.</p>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- select and prepare coating materials based on the order.</li> <li>- mix and remix colors.</li> <li>- carry out gluing work.</li> <li>- design surfaces in different techniques.</li> <li>- create surfaces with solid, pasty or liquid substances.</li> <li>- carry out initial and overhaul coatings.</li> <li>- implement fonts and symbols according to specifications.</li> <li>- make metallic applications.</li> <li>- maintain and preserve surfaces.</li> <li>- carry out maintenance and repair work.</li> </ul>	<p>He / she is able, manufacture, process, treat surfaces and control the work carried out, in compliance with specifications and with operationally involved persons.</p>



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 7 – Surface assessment (test methods)</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b> The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U7-1</b> <b>Surface assessment (test methods)</b>  <b>TROWELLED SURFACES</b>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of a trowelled surface on the quality of the coating.</li> <li>- the essential tests customary on building sites for mineral substrates (test for e.g. soiling, strength, absorbency, growth such as algae, mold and moss).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <p><u>Methods for general exams:</u></p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Hand rubbing</li> <li>• Scratch test (with painter's spatula)</li> <li>• Wetting test</li> </ul> <p><u>Methods for testing plaster substrates:</u></p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Moisture meter</li> </ul> <p><u>Methods of testing masonry:</u></p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Tapping test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- check and determine <i>trowelled surfaces</i>.</li> <li>- document the results of the test.</li> <li>- use the results of the test to select the measures required to remedy the deficiencies identified with the persons involved in the company.</li> </ul>





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
L3_U7-1		<p><u>Methods for testing concrete:</u></p> <ul style="list-style-type: none"> <li>• Wetting test</li> <li>• Appearances</li> <li>• Scratch test</li> </ul>	
<p>L3_U7-2</p> <p><b>Surface assessment</b> (test methods)</p> <p><b>PLASTERBOARD</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of the substrate of plasterboards and prefabricated parts on the quality of the coating.</li> <li>- the essential test methods customary on construction sites for assessing the substrate (e.g. check for surface quality, moisture, adhesion and yellowing of the cardboard, soiling, cracks, mold, corrosion of the fasteners).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Hand rubbing</li> <li>• Scratch test (with painter's spatula)</li> <li>• Wetting test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- test and determine substrates made of plasterboards and prefabricated parts in the interior.</li> <li>- document the results of the test.</li> <li>- use the results of the test to select the measures required to remedy the deficiencies identified with the persons involved in the company.</li> </ul>
<p>L3_U7-3</p> <p><b>Surface assessment</b> (test methods)</p> <p><b>TIMBER SURFACES</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of timber substrates on the quality of the coating.</li> <li>- the essential, customary construction site tests for timber and timber-based materials or the timber defects to be detected (e.g. check for moisture, gray timber, cracks in the timber, resin pockets, timber constituents, loose knots, timber pests, sharp edges, edge alignment, insufficient tendency to run off, open timber connections, timber dowels, load-bearing capacity of old coatings).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Scratch test</li> <li>• Timber moisture measurement</li> <li>• Tape test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- examine and determine substrates made of timber and timber-based materials in the interior.</li> <li>- document the results of the test.</li> <li>- based on the results of the test, the required to select appropriate measures to remedy the deficiencies identified with persons involved in the company.</li> </ul>



LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<p><b>L3_U7-4</b>  <b>Surface assessment</b> (test methods)</p> <p><b>METAL SURFACES</b>  <b>(Iron Steel)</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of a metallic substrate on the quality of the coating,</li> <li>- the essential, customary construction site tests for <i>metal substrates - iron / steel</i> (test for e.g. scale and rolled skin, rust, impurities, grease, oils, adhesion of the old coating, re-coatability of the old coating).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Scratch test</li> <li>• Tape test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- test and determine <i>metal substrates - iron / steel</i>.</li> <li>- document the results of the test.</li> <li>- based on the results of the test, the required to select appropriate measures to remedy the deficiencies identified with persons involved in the company.</li> </ul>
<p><b>L3_U7-5</b>  <b>Surface assessment</b> (test methods)</p> <p><b>METAL SURFACES</b>  <b>- Non-ferrous metals</b></p> <p><b>Zinc</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of a metallic substrate on the quality of the coating,</li> <li>- the essential, customary construction site tests for <i>metal substrates - zinc</i> (check for e.g. visible and recognizable defects, impurities, grease, oils, load-bearing capacity and adhesion (old coatings)).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Scratch test</li> <li>• Tape test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- test and determine <i>metal substrates - zinc</i>.</li> <li>- document the results of the test.</li> <li>- based on the results of the test, the required to select appropriate measures to remedy the deficiencies identified with persons involved in the company.</li> </ul>
<p><b>L3_U7-6</b>  <b>Surface assessment</b> (test methods)</p> <p><b>METAL SURFACES</b>  <b>- Non-ferrous metals</b></p> <p><b>Aluminum</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of a metallic substrate on the quality of the coating.</li> <li>- the essential, customary construction site tests for <i>metal substrates - aluminum</i> (check for e.g. visible and recognizable defects, impurities, grease, oils, load-bearing capacity, adhesion, aging).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Scratch test</li> <li>• Tape test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- test and determine <i>metal substrates - aluminum</i>.</li> <li>- document the results of the test.</li> <li>- based on the results of the test, the required to select appropriate measures to remedy the deficiencies identified with persons involved in the company.</li> </ul>



LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<p><b>L3_U7-7</b>  <b>Surface assessment</b> (test methods)</p> <p><b>METAL SURFACES</b>                      - Non-ferrous metals</p> <p><b>Copper</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the influence of the nature of a copper substrate on the quality of the coating.</li> <li>- the essential, customary construction site tests for <i>metal substrates - copper</i> (check for e.g. visible and recognizable defects, impurities, grease, oils, aging).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- test and determine <i>metal substrates - copper</i>.</li> <li>- to document the results of the test.</li> <li>- based on the results of the test, the required to select appropriate measures to remedy the deficiencies identified with persons involved in the company.</li> </ul>
<p><b>L3_U7-8</b>  <b>Surface assessment</b> (test methods)</p> <p><b>PLASTIC-SURFACES</b></p>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the types of plastic and the influence of the nature of a plastic substrate on the quality of the coating.</li> <li>- the essential, customary construction site tests for <i>plastic substrates</i> (check for e.g. type of plastic, weathering, release agents, old coatings).</li> </ul>	<p>He / she can</p> <p>carry out the following test methods and document the results of the assessment or measurement:</p> <ul style="list-style-type: none"> <li>• Appearances</li> <li>• Feeling, wetting test</li> <li>• Scratch test</li> <li>• Tape test</li> </ul>	<p>He / she is able to</p> <ul style="list-style-type: none"> <li>- test and determine <i>plastic substrates</i>.</li> <li>- document the results of the test.</li> <li>- based on the results of the test, the required to select appropriate measures to remedy the deficiencies identified with persons involved in the company.</li> </ul>





<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 8 – Surface treatments (preparing substrates for coatings)</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U8-1</b> <b>Surface treatments</b> (preparing substrates for coatings)	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- the properties and materials of the various substrates (mineral substrates, timber, metal and other special surfaces such as plastic).</li> <li>- the properties and characteristics of the top coats.</li> <li>- the technologies and coating materials used in the substrate treatment.</li> </ul> <p>He / she knows that the goal is to achieve optimal surfaces (for subsequent coatings).</p>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- take protective measures (for areas, components and objects that are not to be processed).</li> <li>- select the appropriate measures and carry them out professionally (remove old coatings, clean substrates, level out unevenness (with plaster, leveling and leveling compounds), apply primers for protection and consolidation, carry out measures for preventive timber protection).</li> <li>- form and seal construction joints using different techniques.</li> </ul>	<p>He / she is able to professionally prepare surfaces with persons involved in the company for subsequent coatings and to control the work carried out.</p>





<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 9 – Coating systems (coating structure)</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U9-1 Coating systems (coating structure)</b>	<p>He / she knows that</p> <ul style="list-style-type: none"> <li>- coating is the generic term for all cohesive solid layers that are created by applying a coating material one or more times to a substrate (subsurface).</li> <li>- coating structure is synonymous with multi-layer coatings or a coating system.</li> <li>- coating systems include paints, varnishes, fillers, synthetic resin plasters and special products (e.g. fire protection coatings).</li> </ul> <p>He / she knows</p> <ul style="list-style-type: none"> <li>- the type of coating process and its features.</li> <li>- coating systems (primer, intermediate, top coat) for mineral substrates, timber, metal and plastic substrates.</li> </ul>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- edit and process materials and auxiliary materials as well as components by hand and establish connections.</li> <li>- select coating materials according to their properties, composition and compatibility, prepare them for processing, make them available and apply them.</li> <li>- fasten and loosen materials and components.</li> </ul>	<p>He / she is able</p> <ul style="list-style-type: none"> <li>- to prepare and check suitable layer arrangements with persons involved in the company on different substrates.</li> <li>- to observe the manufacturer's instructions and guidelines when applying the coatings.</li> </ul>





LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<b>L3_U9-1</b>	He / she knows <ul style="list-style-type: none"> <li>- the tasks of the individual layers of a coating (e.g. bottom layer = base coat = adhesion promoter).</li> <li>- the coating structure of the main coating systems (dispersion, silicone, silicone resin paints and plasters, lime paints, effect paints and plasters).</li> <li>- the coating techniques.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- differentiate between the most important and common coatings and apply them professionally:                             <ul style="list-style-type: none"> <li>• Coating systems for mineral substrates</li> <li>• Coating systems for timberen substrates, for metal substrates, for plastic substrates</li> </ul> </li> <li>- carry out coatings with different coating materials in compliance with the standards and guidelines for processing.</li> </ul>	



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 10 – Decorative design</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U10-1 Stylistics, color and form theory, writing</b>	He / she knows that <ul style="list-style-type: none"> <li>- the basic building / art styles and their characteristics.</li> <li>- the basics of the geometry / architecture of a room.</li> <li>- basics of form and color theory.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- classify the basic building / art styles.</li> <li>- determine the geometry / architecture of a room and apply the basic rules of design.</li> </ul>	He / she is able <ul style="list-style-type: none"> <li>- to receive and to forward customer requests.</li> <li>- to inform customers and to justify design proposals with persons involved in the company.</li> </ul>
<b>L3_U10-2 Decoration techniques</b>	He / she knows <ul style="list-style-type: none"> <li>- the facts about the creation of templates and enlargements (grid enlargements).</li> <li>- the coating techniques and the various decorative elements.</li> </ul>	He / she can design surfaces in different techniques (with patterns, tool structures and coating materials), e.g.: <ul style="list-style-type: none"> <li>• Lining and stenciling</li> <li>• Glaze techniques (wiping, wrapping, and dabbing techniques)</li> </ul>	He / she is able <ul style="list-style-type: none"> <li>- to receive and to forward customer requests.</li> <li>- to inform customers and to justify decoration techniques with people involved in the company.</li> </ul>







LEARNING OUTCOMES	KNOWLEDGE	SKILLS	RESPONSIBILITY AND AUTONOMY
<b>L3_U10-2</b>	He / she knows <ul style="list-style-type: none"> <li>- the technology of rolling in decorating work (use of paint rollers to create patterns).</li> <li>- the technology, materials and tools for applying various coating materials that are suitable for structuring the surfaces.</li> <li>- the technology, materials and tools for designing structures with various filler and plaster materials.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- determine different decoration methods.</li> <li>- show the planned work with decoration technologies and techniques.</li> <li>- use the coating techniques and the various decorative and decorative elements in a targeted manner.</li> </ul>	He / she is able to <ul style="list-style-type: none"> <li>- work out the wishes of the customers for suggestions and designs for the decoration under guidance.</li> <li>- interpret the realities of the place, the purpose and the aim of the decoration.</li> <li>- apply the standards and guidelines for the processing of the various decoration techniques.</li> </ul>



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<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 11 – Wallpapering</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U11-1 Wallpapering</b>	<p>He / she knows that</p> <ul style="list-style-type: none"> <li>- one of the most important techniques for designing walls is wallpapering.</li> </ul> <p>He / she knows</p> <ul style="list-style-type: none"> <li>- the requirements for the wallpaper background.</li> <li>- the rules, tools / devices and processing guidelines for professional wallpapering.</li> <li>- the development of wallpaper.</li> <li>- the different wallpapers (wall coverings).</li> </ul>	<p>He / she can</p> <ul style="list-style-type: none"> <li>- process wallpaper - taking into account the necessary subtasks: Identify and have wallpapering tools and equipment ready, interpret processing instructions, check wallpaper, cut wallpaper, prepare and process wallpaper paste, paste, wallpapering practice.</li> <li>- differentiate and interpret the classification of wallpapers according to EN 233 and 234 (finished wall coverings and wall coverings for subsequent treatments).</li> </ul>	<p>He / she is able</p> <p>to carry out professional wallpapering work under supervision, observing specifications, and checking the work carried out.</p>





<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 12 – Protective and speciality finishes</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are ( <i>source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a></i> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U12-1</b> <b>Protective and speciality finishes</b>  <i>(Note: These are coatings that specialist painters can carry out without additional qualifications.)</i>	<p>He / she knows</p> <ul style="list-style-type: none"> <li>- tasks of the most important protective and special coatings.</li> <li>- the basic materials, tools and devices (machines) or systems for processing protective and special coatings.</li> </ul> <p>She / he knows that protective and special coatings must be carried out in compliance with standards and guidelines.</p>	<p>He / she can carry out the following protective and special coatings under supervision with persons involved in the operation:</p> <ul style="list-style-type: none"> <li>• Concrete protective coatings</li> <li>• Floor coatings</li> <li>• Coating of trusses</li> </ul>	<p>He / she is able</p> <ul style="list-style-type: none"> <li>- to assess the importance of protective and special coatings.</li> <li>- to carry out such coating work under supervision and with operationally involved persons.</li> </ul>





<b>QUALIFICATION TITLE</b>	<b>Technical assistant in the painting trade</b>
<b>UNIT TITLE</b>	<b>UNIT 13 – Standards and quality control</b>
<b>EQF LEVEL</b>	<b>3</b>

	<b>KNOWLEDGE</b>	<b>SKILLS</b>	<b>RESPONSIBILITY AND AUTONOMY</b>
<b>LEARNING OUTCOMES</b>	<b>DESCRIPTION</b>		
	The learning outcomes relevant for level 3 are (source: <a href="https://ec.europa.eu/ploteus/de/node/1440">https://ec.europa.eu/ploteus/de/node/1440</a> ):		
	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Take responsibility for completion of tasks in work or study; adapt own behaviour to circumstances in solving problems.
<b>L3_U12-1 Standards and quality control</b>	He / she knows <ul style="list-style-type: none"> <li>- the most important legal bases of the painting trade.</li> <li>- the organizational structures of the craft.</li> <li>- the structure and organization of the training company.</li> <li>- the job description, the importance of vocational training and the basic rules on labor and collective bargaining law.</li> <li>- the essential technical rules and regulations for the professional execution of painting work.</li> </ul>	He / she can <ul style="list-style-type: none"> <li>- determine the most important legal bases (standards, regulations and laws) and apply them under supervision.</li> <li>- create work reports and activity records.</li> <li>- record time and material consumption.</li> <li>- contribute to the improvement of the work in his / her own work area.</li> <li>- formulate and interpret work and interim results.</li> <li>- check his / her own work on the basis of specifications.</li> </ul>	He / she is able <ul style="list-style-type: none"> <li>- to classify standards and apply quality assurance measures.</li> <li>- to reason your own training and describe the training company.</li> </ul>





## List of sources

Grebe, P., Leeuw, H.-J., Lütten, St., Sirtl, H.; Fachwissen Maler und Lackierer; 2009; Verlag Europa-Lehrmittel, Nourney, Vollmer GmbH & Co. KG, D-Haan-Gruiten; 2nd edition 2009

Dempf, M., Finkenzeller, B., Herrmann, U., Littmann, K., Mengel, U.: 2008; Painter and varnisher - learning fields 5-8; Bildungshaus Schulbuchverlage, Westermann Schroedel Diesterweg Schöningh Winklers GmbH, D-Braunschweig; 1st edition 2008

Dempf, M., Finkenzeller, B., Herrmann, U., Littmann, K., Mengel, U.: 2009; Painters and varnishers - Learning fields 9-12; Bildungshaus Schulbuchverlage, Westermann Schroedel Diesterweg Schöningh Winklers GmbH, D-Braunschweig; 1st edition 2009

Explanations of the modernized standard vocational training items, excerpt from the brochure: FOUR ARE THE FUTURE. DIGITIZATION. SUSTAINABILITY. LAW. SAFETY. The modernized standard occupational positions of recognized training occupations (Ausbildung Gestalten); June 2021; Bundesinstitut für Berufsbildung, D-Bonn, [www.bibb.de](http://www.bibb.de); [https://www.bibb.de/dokumente/pdf/HA\\_Erlaeuterungen-der-integrativ-zu-vermittelnden-Fertigkeiten-Kenntnisse-und-Faehigkeiten.pdf](https://www.bibb.de/dokumente/pdf/HA_Erlaeuterungen-der-integrativ-zu-vermittelnden-Fertigkeiten-Kenntnisse-und-Faehigkeiten.pdf); download: 06.08.2021.

Europass, Your next career step!, Your free personal tool for learning and working in Europe; <https://europa.eu/europass/de/description-eight-efq-levels>; download: 22.03.2022



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