

## BEM Micro-credential

### Training and Methodical Center of Vocational Education and Training in Donetsk Region

<b>BEM content (for all partners)</b>	<b>Title / name of the credential</b>	<b>Insulation with liquid ceramic thermal insulation.</b>		
	<b>Function of the micro-credentials / purpose</b>	Deepening professional competencies and practical skills in the use of materials and equipment for liquid ceramic thermal insulation systems.		
	<b>Possible target groups</b>	Employees of construction companies, graduates and applicants for VET education, socially vulnerable groups, unemployed, adults.		
	<b>Branch / sector of application</b>	Construction industry / installer of building insulation systems.		
	<b>Fields of application / work environment</b>	Private and industrial construction.		
	<b>Typical work / professional tasks</b>	Preparation of the liquid ceramic thermal insulation and the surface of the object to be insulated. Application of liquid ceramic thermal insulation to the object. Using an airless compressor when applying liquid ceramic thermal insulation.		
	<b>Learning outcomes (personal and job related)</b>	<b>Knowledge</b> <ul style="list-style-type: none"> <li>- key provisions of the current regulatory framework in the field of thermal modernisation of buildings;</li> <li>- modern types of coatings and cladding materials for finishing an insulated building (part of a building);</li> <li>- materials for restoration;</li> <li>- purpose and requirements for materials for finishing decorative and protective finishing of the thermal modernisation surface;</li> <li>- composition of liquid ceramic thermal insulation</li> </ul>	<b>Skills</b> <ul style="list-style-type: none"> <li>- use regulatory documents governing modern requirements for thermal modernisation of buildings;</li> <li>- prepare liquid ceramic thermal insulation and the surface of the thermal insulation object;</li> <li>- use modern materials in the arrangement of thermal modernisation of buildings and structures, in particular, modern thin-layer plasters, paints and adhesives;</li> <li>- use modern materials for finishing the surface</li> </ul>	<b>Competences (autonomy / responsibility)</b> <ul style="list-style-type: none"> <li>- prepares the surface of the object for thermal insulation;</li> <li>- prepares material for finishing decorative and protective coating of thermal modernisation surfaces of buildings and structures;</li> <li>- follows the rules of safe work;</li> <li>- knows how to apply liquid ceramic thermal insulation to an object in accordance with the work schedule;</li> <li>- knows how to use an airless compressor when applying liquid ceramic thermal insulation;</li> <li>- follows the rules of safe work.</li> </ul>

		and its properties; - regulations on occupational health and safety in the industry; - key provisions of the current regulatory framework in the field of thermal modernisation of buildings; - requirements for the required level and technological characteristics of materials for thermal modernisation of buildings and structures; - design and technological solutions for the use of liquid ceramic thermal insulation; - methods of applying liquid ceramic thermal insulation to the surface; - regulations on labour protection and safety rules when using liquid ceramic thermal insulation.	of thermal modernisation of buildings and structures; - use tools and equipment safely; - use current regulatory documents governing modern requirements for thermal modernisation of buildings; - apply liquid ceramic thermal insulation to the object in accordance with the work schedule; - use an airless compressor when applying liquid ceramic thermal insulation; - use tools and equipment safely.	
	Validation	<b>Criteria</b>		<b>Procedures</b>
		Conformity; Flexibility and target orientation; Reliability		Creation of an examination commission (EC); The student performs the exam task; Decision of the EC; Delivery of a certificate or digital badge
	Recognised / accepted (documented by MoU)	Documented by MoU: Eastern Energy Saving Company LLC.		
	Provider(s)	Public educational institution "Konstantinovka Higher Vocational School". Vocational education institutions, and enterprises, private and public sector.		
Additional information	Entry level / prerequisites	Duration of training 3 weeks / 120 classroom hours / 4 ECTS.		

<b>(if needed)</b>	Possible duration (recommendation)	
<b>Specific content (national)</b>	Position in the chain of educational programmes	Bricklayer. Painter. Plasterer. Airless spraying units, electric spray gun, manual spray gun, industrial vacuum cleaner, grinder (angle grinder), moisture meter, compressor.
	Reference to NQF	
	Credits	