

BEM Micro-credential



BEM content (for all partners)	Title/name of the credential	Roofer		
	Function of the micro-credentials / purpose	The micro-credential is designed to meet the needs of industry-specific skills in the <i>Construction and Geodesy</i> sector.		
	Possible target groups	interested individuals and construction workers.		
	Branch/sector of application	Construction and Geodesy		
	Fields of application / work environment	Construction industry companies.		
	Typical work/professional tasks	<input type="checkbox"/> Removal of roofing and flashing <input type="checkbox"/> Installation of roofing <input type="checkbox"/> Repair, maintenance, and replacement of roofing <input type="checkbox"/> Installation and repair of waterproofing on roofs <input type="checkbox"/> Installation of sound insulation in attics <input type="checkbox"/> Installation of thermal insulation on roofs		
		Knowledge	Skills	Competencies

	Learning outcomes (personal and job related)	<p><i>The participant will be able to:</i></p> <ul style="list-style-type: none"> • <i>Remove roofing and flashing</i> • <i>Install materials for sloped and flat roofs</i> • <i>Perform repair, maintenance, and replacement of roofing</i> • <i>Apply and repair waterproofing materials on roofs</i> • <i>Install materials for sound insulation in attic spaces</i> • <i>Install materials for thermal insulation on roofs</i> • <i>Use personal protective and safety equipment</i> • <i>Operate hand and power tools for roofing installation</i> • <i>Sort and remove construction waste</i> 	
	Validation	Criteria	Procedures
		<p>Inspects hand and power tools for cutting, removing, separating, fastening, and installing roofing</p> <p>Uses hand and power tools for cutting, removing, separating, fastening, and installing roofing</p> <p>Sets up equipment for lifting and hoisting roofing materials</p> <p>Removes existing roofing and flashing</p> <p>Applies underlayment and waterproofing on roofs</p>	

		<p>Installs vapor barriers and vapor-permeable waterproof membranes to prevent water vapor condensation</p> <p>Installs sound insulation in attic spaces</p> <p>Installs thermal insulation on roofs</p> <p>Installs roofing materials</p> <p>Fastens roofing materials</p> <p>Installs flashing, ridge caps, valleys, gutters, ventilation elements, snow guards, etc., on the roof</p> <p>Performs roof maintenance</p> <p>Repairs roofs</p> <p>Replaces roofing</p> <p>Checks the condition of personal protective equipment</p> <p>Uses personal protective equipment</p> <p>Sorts construction waste</p> <p>Removes construction waste</p>
	<p>Recognised/accepted (documented by MoU)</p>	<p>Називи на компании</p> <ul style="list-style-type: none"> • Granit AD Skopje • Žikol • DG Beton • Konstruktor Skopje

		The Secondary Construction School from Skopje, "Zdravko Cvetkovski," has established cooperation agreements with these companies.
	Provider(s)	<i>Companies</i> <i>SCCS "Zdravko Cvetkovski" of Skopje (conditional)</i>
Additional information (if needed)	Entry level / prerequisites	Work experience in the construction sector, specifically in roofing installation
	Possible duration (recommendation)	The micro-credential is obtained through 50 hours of active instruction.
Specific content (national) (if needed)	Position in the chain of educational programmes	There is an occupational standard for <i>Roofer</i> .
	Reference to NQF	It is not recognized in the NQF (National Qualifications Framework).
	Credits	2 Credits