



## 1. Title of the certificate (HR) and programme number

**Klesarski tehničar**  
(130824)

In the original language.

2. Translated title of the certificate (EN) <sup>(1)</sup>

**Stonemason Technician**

<sup>(1)</sup> This translation has no legal status.

## 3. Profile of skills and competences

## A) GENERAL EDUCATION COMPETENCES

- Use actively mother tongue and foreign languages by applying language activities and basic communication knowledge and skills in different situations
- Apply basic mathematical and physical principles, procedures and measurement methods in the work field
- Understand the natural world principles and act responsibly towards nature and the environment
- Understand the geographical processes and basic historical knowledge
- Use modern information and communication technology safely and critically
- Have knowledge of basic economic concepts and functioning of the economic system
- Act in accordance with the principles of professional ethics and civic education
- Foster physical and health culture by exercising regularly in accordance with individual possibilities in order to maintain and preserve one's own health and the health of others

## B) VOCATIONAL COMPETENCES

- Collect data on the type of stone, the type of construction, the method of restoration, the method of cleaning, the method of protecting the stone and stone attestations according to project documentation
- Make draft drawings, templates, technical specifications and implementation project documentation for stone elements and constructions
- Prepare the stone for treatment according to the architectural and construction project (review, classification, delivery of stone materials)
- Apply cutting operations of stone blocks, surface treatment and machine cut stone moulding
- Apply fine carving, ornamentation and punching by hand with appropriate tools and aids
- Place horizontal and vertical stone coatings using appropriate methods and procedures
- Stone masonry according to project documentation
- Design and install architectural constructive elements (staircases, arches, columns, lintels, collars, chamfers, etc.)
- Design and install replacement stone elements in the restoration process under the supervision of a conservator or restorer
- Implement stone damage and decay prevention procedures and stone strengthening procedures using traditional and modern techniques and chemical means
- Make an offer with proof documentation of measures for masonry
- Apply the legal regulations of prescribed standards (EU norms for natural stone) and specifications for masonry
- Apply the principles of sustainability, ecology and disposal of technological waste (technical water, stone sludge) in the process of stone treatment and construction

## 4. Range of occupations accessible to the holder of the certificate

The stonemason technician, in his/her capacity as an associate of an authorized civil engineer, carries out independently and/or in a team assignments of draft drawing, specification and selection of materials, mechanical and manual stone carving, wet and dry construction of stone coatings. In cooperation with conservators and restorers, the stonemason technician implements the protection and restoration of architectural building stone. The work of a stonemason technician is carried out in a quarry, workshop, construction site, interior, exterior and office. Self-employment is possible by setting up a stonemason company/workshop.

## 5. Official basis of the certificate

<p><b>Name and status of the body awarding the certificate</b></p> <p>The certificate is issued by the secondary education institution (vocational education and training school).</p>	<p><b>Name and status of the national authority providing accreditation/recognition of the certificate</b></p> <p>Ministry of Science and Education Donje Svetice 38 10 000 Zagreb <a href="http://www.mzo.hr">www.mzo.hr</a></p>
<p><b>Legal basis</b></p> <p>Primary and Secondary School Education Act (Official Gazette No. 87/2008, 86/2009, 92/2010, 105/2010-corr., 90/2011, 16/2012, 86/2012, 94/2013, 152/2014, 7/2017, 68/2018, 98/2019 and 64/2020) Vocational Education Act (Official Gazette No. 30/2009, 24/2010, 22/2013 and 25/2018) Croatian Qualifications Framework Act (Official Gazette No. 22/2013, 41/2016, 64/2018, 47/2020 and 20/2021)</p>	<p><b>National grading system / Pass requirements</b></p> <p>Excellent 5 (10) A Very good 4 (9) B Good 3 (8) B Sufficient 2 (6-7) C Insufficient 1 (0-5) F</p> <p>In order to pass the exam, it is necessary to get the grade 2 (6-7), i.e. C (sufficient).</p>
<p><b>Level of qualifications</b></p> <p>Level 4.2. in the Croatian Qualifications Framework</p>	<p><b>Access to next level of education/training</b></p> <p>Access to higher level of qualification in accordance with the Croatian Qualifications Framework.</p>

## 6. General data of acquiring the certificate

	Percentage of total programme (%)	Total number of hours
General education part	55,3 %	2271
Vocational part – theoretical	15,6 %	641
Vocational part – practice/exercises	29,1 %	1192
<b>Duration of education</b>		4 years

**Entry requirements:** Completion of primary education

**More information available at:**

Ministry of Science and Education ([www.mzo.hr](http://www.mzo.hr))  
Education and Teacher Training Agency ([www.azoo.hr](http://www.azoo.hr))  
Agency for Vocational Education and Adult Education ([www.asoo.hr](http://www.asoo.hr))

National Europass Centre in Croatia ([www.europass.hr](http://www.europass.hr)) at the Agency for Mobility and EU Programmes ([www.ampeu.hr](http://www.ampeu.hr)).

**(\*) Explanatory note**

This document provides additional information about the school certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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