

**1. TITLE OF THE CERTIFICATE (HU)**

31 5220 04 VASBETON- ÉS MŰKŐKÉSZÍTŐ

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)REINFORCED CONCRETE AND ARTIFICIAL STONE MANUFACTURER
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- implement the rules of storing and transporting the materials, the semi-processed materials and finished products;
- perform the evening, cutting, bending, tying together, and knotting of rebars;
- produce the concrete and artificial stone mixture, transport and mix the mixture;
- operate, maintain the machines that are suitable for the evening, cutting, bending, welding of construction steel, for the mixing of concrete and artificial stone, for its transport and compression, for the polishing of the surface of artificial stone, for its marking and cutting;
- define structural size, perform the professional calculations;
- utilize technical documentation;
- prepare work processes, divide work processes into operations, determine the sequence of operations, select appropriate materials, define quantities;
- select, check, maintain the necessary tools, aids, protective gear;
- make simple reinforced concrete and artificial stone components, using general prefabrication technology;
- use forms, make plaster casts, use samples;
- perform the ironing of reinforcing steel, make armatures;
- even reinforcing steel in rolls, even wiring, cut to size, bend to size manually or with machinery;
- assemble steel inserts, on trusses and in templates;
- make concrete and artificial stone mixtures, manually or with machines- ;
- work in the concrete and artificial stone mixture, compress it- ;
- define the time of stripping, perform the stripping;
- perform the working of the artificial stone surface, its pre-carving, its polishing (dry, wet);
- construct reinforced concrete and artificial stone structures on site;
- utilize scaffolds;
- perform the metal work of metal foundation structures, walls, columns, beams, sheets (rooftiles);
- organize and implement the individual and mass production of concrete, reinforced concrete and artificial components;
- install prefabricated reinforced concrete and artificial stone components;
- recognize and repair manufacturing defects.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

8144 Machinist producing structural concrete products

(*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: <http://europass.cedefop.europa.eu/>

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the institute issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>In the case of vocational qualifications belonging to the competence of the Ministry of Education (ME), a vocational qualification-related independent professional committee commissioned by the ME</p>																				
<p>Level of the certificate (national or international)</p> <p>Level of vocational qualification according to the National Qualification Register:</p> <p>31 Intermediate vocational qualification entitling the holder to fill positions requiring physical work, which is based on the input theoretical and practical knowledge elements determined in the vocational and examination requirements (hereinafter: input competence) or on the basic school qualification certified with the completion of the eighth grade.</p> <p>ISCED97 code: 3CV</p>	<p>Grading scale / Pass requirements</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Five -grade:</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 70%;">excellent</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td>good</td> </tr> <tr> <td></td> <td style="text-align: center;">3</td> <td>satisfactory</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td>pass</td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td>fail</td> </tr> </table> <p>Vocational qualification examination after the completion of vocational training</p> <p>Parts of the examination: - Vocational theory - Vocational practice</p> <p>A successful vocational qualification examination requires a pass grade both in vocational theory and practice.</p>	Five -grade:	5	excellent		4	good		3	satisfactory		2	pass		1	fail					
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<p>Certificate number:</p> <p>PT K</p> <p>Serial number:</p> <p>123456</p> <p>Certificate issue date:</p> <p>2023.09.14</p>	<p>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</p> <p>1. Grades of vocational theoretical examination subjects</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 80%;">Complex (Vocational Skills, Knowledge of Materials and Manufacturing, Professional Calculations, Technical Drawing, Knowledge of Work Safety)</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Grade of Written Examination</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Topics/subjects of oral examination</td> </tr> <tr> <td>Vocational Skills, Work Safety and Environmental Protection</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Study of materials</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> </table> <p>2. Assessment of vocational practical preparedness</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Subjects of practical examination</td> </tr> <tr> <td>Final exam project</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Practice</td> <td style="text-align: center;">5</td> </tr> </table>	Topics/subjects of written examination		Complex (Vocational Skills, Knowledge of Materials and Manufacturing, Professional Calculations, Technical Drawing, Knowledge of Work Safety)	5	Grade of Written Examination	5	Topics/subjects of oral examination		Vocational Skills, Work Safety and Environmental Protection	5	Study of materials	5	Grade of Vocational Theory	5	Subjects of practical examination		Final exam project	5	Grade of Vocational Practice	5
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<p>Access to next level of education/training</p> <p>To secondary education</p>	<p>International agreements</p>																				
<p>Other information concerning the vocational training process</p>																					
<p>Legal basis</p> <p>Act LXXVI of 1993 on vocational training, Decree 27/2001 (VII. 27.) OM of the Minister of Education on the amendment of Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 26/2001 (VII. 27.) OM of the Minister of Education on the general rules and rules of procedure of vocational examinations, Decree 20/1996. (III.28.) of the Minister of Industry and Trade (IKM) on vocational and examination requirements of reinforced concrete and artificial stone manufacturer, Central programme approved by the Minister of Labour (OM) under approval number 2916/97. (III.23.).</p>																					

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 40 % Practice: 60 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- Elementary education evidenced by a certificate of completion of the eighth year, plus reaching the minimum school-leaving age

Further information:

MANDATORY VOCATIONAL THEORETICAL SUBJECTS

Social Studies	100 hours
Occupational safety and environmental protection	100 hours
Basic studies in economics	100 hours
Basic Studies of Running a Business Enterprise	100 hours
Building Industry Materials and Production	100 hours
Technical Drawing	100 hours
Reinforced Concrete and Artificial Stone Maker Technical Drawing	100 hours
Building Constructions and Building Technologies	100 hours
Vocational Skills, Reinforced Concrete and Artificial Stone Maker	100 hours
Professional Calculations, Reinforced Concrete and Artificial Stone Maker Vocations	100 hours

MANDATORY VOCATIONAL PRACTICAL SUBJECTS

Basic Practical Training	
Setting Out and Measurement Skills	100 hours
Scaffolding	100 hours
Material Tests	100 hours
Practical Training, Reinforced Concrete and Artificial Stone Maker	100 hours

Further information (including the description of the national grading method):

The basis of the grading system is a list of vocational and examination requirements compiled in accordance with uniform criteria and structure, issued in the form of legal regulation that includes the following:

- identification number and description of the vocational qualification as specified in OKJ and the relevant FEOR number,
- school and vocational prequalification required for the start of the training, aptitude and vocational competence requirements and prescribed practice,
- the most typical occupation or activity accessible to the holder of the vocational qualification certificate, the short job description, and the list of related vocational qualifications,
- the duration of the training required for the vocational qualification; maximum number of hours; the ratio of theoretical and practical training; the number of vocational training classes in the vocational training school; the duration of initial training period; the possibility of organising a grade examination assessing the efficiency of practical training,
- occupational requirements of vocational qualification,
- requirements pertaining to vocational examination.

The vocational and examination requirements will be classified by the occupational group committees of the National Qualification Register (OKJ) and by the National Council for Vocational Training, and subsequently they will be issued in the form of legal regulations.

Vocational and examination requirements are available at: <http://www.nive.hu>

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

National Reference Point – NSZFH – <http://nrk.nive.hu>

Head of Examination Organiser:

Issue date: 2023.09.14

SEAL