



CERTIFICATE SUPPLEMENT (*)



1. TITLE OF THE CERTIFICATE (EN)

Tinsmith, tinsmithing

2. TRANSLATED TITLE OF THE CERTIFICATE (IS)

Blikksmiður

This translation has no legal status.

3. PROFILE OF KNOWLEDGE AND SKILLS

The holder

- is able to make technical drawings and create drawings using CAD. Reads drawings prepared by architects and/or engineers. Can estimate material needs, utilisation and costs. Uses space-, distance- and height readings when locating and installing equipment
- is familiar with the manufacturing process of sheet metals and cladding materials, their construction capacity and corrosion resistance. Is familiar with how pressure affects metal objects, mountings and joints. Is familiar with the characteristics of plastic, shellac, insulation and auxiliary materials
- is able to apply hand held tools and measuring instruments used by tinsmiths and use the most popular machines for metal construction, both manual and computer controlled. Constructs orthographic projection patterns and structural frames based on diagrams, constructs and installs components for ventilation systems
- is familiar with welding joints, welding capabilities and how welding affects metals. Performs angle welding using a rod, MAG and TIG on iron and steel. Is familiar with the working procedures of arc welding, details of welding procedures, welding variables, welding of stainless steel and aluminium. Checks welding faults and is able to interpret readings and checks of welding
- is familiar with the purpose and main types of ventilation systems, official regulations and design requirements. Assesses the ventilation needs of buildings and selects equipment according to designers' instructions, drawings and handbooks. Adheres to the fire safety design of ventilation systems, assesses and measures sound and how sound carries in duct systems
- is familiar with the control equipment of ventilation systems, installs, repairs and adjusts system descriptions and explains the combined action of the equipment. Selects measuring points for air volume, temperature and humidity of ventilation and heating systems and installs them according to standard methods. Produces an operation handbook
- knows metal claddings, design and general requirements regarding the preparation, finishing and corrosion precautions. Is familiar with insulation and damp proof membranes in roofs. Installs locked roof claddings and is familiar with general requirements regarding the sealing of houses, including the cladding of steel frame buildings
- adheres to safety regulations, makes risk assessments and safety regulations according to the environmental indicators of the metal industry. Reacts to accidents and burns according to emergency plans. Adheres to rules on the handling of hazardous waste and materials
- adheres to regulations on plans and orderliness in the workspace and workplace.

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

Tinsmiths work in production-, service and contracting companies. They construct, install and look after the maintenance of roof-, wall- and steel frame claddings and ventilation systems. A tinsmith advises his clients about claddings of houses and other constructions. Authorised to work as tinsmiths are those who have earned a journeyman's certificate in tinsmithing issued by the Minister of Industry and Innovation.

(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: 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: www.cedefop.eu.int/transparency

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate</p> <p>An Icelandic upper secondary school operating on the basis of the Upper Secondary School Act and the National Curriculum for Upper Secondary Schools, issued by the Minister of Education, Science and Culture.</p>	<p>Name and position of governing body or region that looks after certifying or confirming the certificate</p> <p>The Ministry of Education, Science and Culture</p>
<p>Level of the certificate (national or international)</p> <p>Upper secondary school level Isced 3 ISQF Level 3 – EQF Level 4.</p>	<p>Grading scale / Pass requirements</p> <p>1-10 Passing grade 5.</p>
<p>Access to next level of education/training</p> <p>Additional studies for matriculation, studies for a master examination or technical studies.</p>	<p>International agreements</p>
<p>Legal basis</p> <p>The Upper Secondary School Act no. 92/2008, regulation regarding journeyman's examination no. 698/2009 The Industrial Act no. 42/1978 and regulations on Authorised Branches of Industry no. 940/1999.</p>	

6. FRAMEWORK AND ORGANISATION OF TRAINING

The average duration of the education and training programme is four years, organised as follows: formal education for six school terms, or 108 weeks including examinations, and 60 weeks of on-the-job training. The programme concludes with a journeyman's examination.

Entry requirements

To have passed final exams of compulsory education

Additional information

Further information may be found on www.menntamalaraduneyti.is

National reference point

The Ministry of Education, Science and Culture, www.menntamalaraduneyti.is