

## 1. TITLE OF THE CERTIFICATE (ES)

Certificado de Profesionalidad de nivel 1 en  
VICF0109 OPERACIONES BÁSICAS CON EQUIPOS AUTOMÁTICOS EN PLANTA CERÁMICA

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Professional Certificate Level 1 in  
VICF0109 BASIC OPERATIONS WITH AUTOMATIC EQUIPMENT IN CERAMIC INDUSTRY  
(This translation has no legal status)

## 3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to carry out the operations of running the equipment and automatic machines for the manufacture of pastes, frits, pigments, glazes and shaped ceramic products, following the technical instructions and ensuring the quality and occupational safety of the operations. This general competence is divided into the following **skill units**(UC):

- Work with automatic equipment for the preparation of ceramic materials (UC0646\_1).
- Work with automatic equipment for the preparation of frits, pigments and ceramic glazes and slips (UC0647\_1).
- Work with automatic equipment for the manufacturing of shaped ceramic products (UC0648\_1).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Operations with automatic equipment for the preparation of ceramic pastes (MF0646\_1).
- Operations with automatic equipment for the preparation of frits, pigments and ceramic glazes and slips (MF0647\_1).
- Operations with automatic equipment for the manufacturing of shaped ceramic products (MF0648\_1).
- Practical training at the workplace in basic operations with automatic equipment in ceramic industry (MPO222).

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference, the learning outcomes include in the Practical training that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Participate in the operations of reception and unloading of raw materials for the manufacture of ceramic products, according to the working instructions and complying with the established environmental protection requirements.
- Participate in the preparation of ceramic pastes using properly the machines, equipment, tools and materials.
- Participate in operations for preparation of glazes, frits and ceramic pigments using properly the machines, equipment, tools and materials.
- Participate in the manufacture operations of ceramic products made from ceramic glazes and pastes previously prepared, using properly the machines, equipment, tools and materials.
- Participate in the finishing and packaging operations of cooked ceramic products, using properly the machines, equipment, tools and materials.
- Participate in the working processes of the company, following the rules and instructions established at the workplace.

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

The holder of this certificate may work in companies of ceramic pastes, frits, glazes pigments, tiles, clay materials manufacturing for the construction sector, refractory, ceramic dinnerware, sanitary ware, decorative items and ceramics engineering. The most relevant occupations and work positions are:

- Operator of threshing floors and barns.
- Miller.
- Sprayer operator.
- Powder operator.
- Casting line operator.
- Extrusion line operator.
- Press operator.
- Tooling operator.
- Driver of calibrated machine with sweep or rollers.
- Moulding dishes machine operator.
- Glazing line operator
- Decor line operator
- Shaped kiln product operator
- Cutting, grinding and polishing of ceramics, porcelain and earthenware machine operator.
- Dosing and homogenisation of raw materials operator in frits and glazes manufacturing industries.
- Dosing and homogenisation of raw materials operator in ceramic pigments manufacturing industries.
- Frit kiln operator.
- Pigment calcinations kiln operator.
- Preparer of glaze compositions in batches.
- Ink preparer.

## 5. OFFICIAL BASIS OF THE CERTIFICATE

### Name and status of the national/regional authority providing accreditation/recognition of the certificate

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

### Level of the certificate

The Professional Certificate Level 1 of the National Repertoire of Professional Certificates corresponds to level 2 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

### Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

### Access to next level of education/training

This Professional Certificate Level 1 gives access to Professional Certificate Level 2 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

### Legal basis

Royal Decree 714/2011, of May 20th, by which three professional certificates of the professional family "Glass and ceramics", included in the National Repertoire of professional certificates are established. (Appendix I, Code: VICF0109)

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (en hours)
Training modules	78	280
Practical training at the workplace	22	80
<b>Total duration of training leading to the certificate</b>		<b>360</b>

**Entry/access requirements:**

- No entry requirements

**Additional information:** Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: [www.sepe.es](http://www.sepe.es)

National Europass Centre: [www.sepie.es](http://www.sepie.es)

(\*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no 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 is available at: <http://europass.cedefop.eu.int>

## Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

