

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 2 en
EOCJ0111 IMPERMEABILIZACIÓN MEDIANTE MEMBRANAS FORMADAS CON LÁMINAS**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 2 in
EOCJ0111 WATERPROOFING USING LAMINATED MEMBRANE
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to execute and organise the waterproofing work on flat roofs and walls of buildings and other constructions, constructing the waterproofing systems as a whole or their different elements - asphalt and synthetic sheet waterproofing membrane, sloping layers, thermal insulation, auxiliary and protective layers - following the guidelines specified in the technical documentation and the indications of a foreman or superior, while complying with the established guidelines on health and safety and quality, and collaborating on the control of risk prevention in the holder's professional area. This general competence is divided into the following **skills units** (UC):

- Prepare pastes, mortars, adhesive and concrete (UC0869_1).
- Execute the layers and elements additional to the membrane in the waterproofing system (UC1917_2).
- Waterproof with asphalt membranes (UC1918_2).
- Waterproof with synthetic membranes (UC1919_2).
- Organise work on roofs and waterproofing (UC1911_2).
- Control risks in construction at a basic level (UC1360_2).

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

- Pastes, mortars, adhesives and concrete (MF0869_1).
- Flat roofs and waterproofing systems (MF1917_2).
- Asphalt membranes (MF1918_2).
- Synthetic membranes (MF1919_2).
- Organisation of work on roofs and waterproofing (MF1911_2).
- Basic occupational risk prevention in construction (MF1360_2).
- Practical training at the workplace in waterproofing using laminated membrane (MP0483)

(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 at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Measure out and prepare mortar, concrete and adhesive to carry out work on flat roofs.
- Apply techniques for slopes on flat roofs building and fitting complementary and auxiliary layers and elements of the membranes, in accordance with the necessary technical documentation, identifying the materials to be assembled, selecting the equipment that is best adapted to each activity and applying occupational risk prevention measures.
- Apply waterproofing techniques using asphalt membranes, according to the mandatory technical documentation, identifying materials to be assembled, selecting the equipment that is best adapted to each activity and applying occupational risk prevention measures.
- Apply waterproofing techniques using synthetic membranes, according to the mandatory technical documentation, identifying materials to be assembled, selecting the equipment that is best adapted to each activity and applying occupational risk prevention measures.
- Apply installation techniques for auxiliary and collective protection resources in waterproofing work using sheet membranes, assisting in their installation and correcting any deficiencies in those already installed, while complying with specific health and safety measures.
- Organise and measure the waterproofing work using sheet membranes, taking into account the capacity of the workers on the team, and coordinating together with related trades.
- Take part in the company's working processes, 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 the construction sector, mainly in the building of new constructions and renovation. The most pertinent occupations and positions are:

- Asphalt, synthetic and/or similar roofer.
- Installer of waterproofing materials in buildings.
- Insulation fitter.
- Installer of waterproofing systems in buildings and civil works.
- Installer of insulation and additional waterproofing materials in buildings.
- Waterproofing worker on balconies.
- Foreman of the waterproof membrane fitters.
- Foreman of the roof team.

The holder of this professional certificate has recognition of the basic level training in labour risk prevention, according to Annex IV of the Royal Decree 39/1997 of 17 of January approving the Labour Risks Prevention Act.

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 2 of the National Repertoire of Professional Certificates corresponds to level 3 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 2 gives access to Professional Certificate Level 3 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 615/2013 of 2 August, establishing twelve professional certificates in the professional family Construction and Civil Work, which are included in the National Repertoire of Professional Certificates, and updating the professional certificate established as Appendix I of Royal Decree 1966/2008 of 28 November, and the professional certificates established as Appendices I, II and III of Royal Decree 1212/2009 of 17 July and as Appendices I, II and III of Royal Decree 644/2011 of 9 May. (Appendix XI, Code: EOCJ0111)

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 (hours) |
|--|-----------------------------------|------------------|
| Training modules | 86 | 510 |
| Practical training at the workplace | 14 | 80 |
| Total duration of training leading to the certificate | | 590 |

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

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

National Europass Centre: www.oapee.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

