

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 2 en
EOCE0111 ARMADURAS PASIVAS PARA HORMIGÓN**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 2 in
EOCE0111 PASSIVE REINFORCEMENTS FOR CONCRETE
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to organise and execute the preparation of reinforcing products that form the basis of reinforced concrete structures in industrial facilities or workshops, install them and carry out on-site reinforcement of specific elements, following the guidelines specified in the technical documentation and instructions of a superior or person responsible, while complying with health and safety rules, quality criteria and collaborating on the control of risks in the holder's professional field. This general competence is divided into the following **skills units** (UC):

- Cut and bend rebars with a semi-automatic machine (UC1904_1).
- Carry out the manual reinforcement and fitting of the bars on-site (UC1905_2).
- Handle loads with bridge cranes and hoists (UC0637_1).
- Prepare rebars with automatic machinery (UC1906_2).
- Organise work with passive reinforcement elements (UC1907_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):

- Semi-automatic forming of rebars and steel mesh (MF1904_1).
- Manual reinforcement and assembly of reinforcing products (MF1905_2).
- Handling of loads with bridge cranes and hoists (MF0637_1).
- Automatic shaping of reinforcing products (MF1906_2).
- Organisation of work with passive reinforcements for concrete (MF1907_2).
- Basic prevention of occupational risks in construction (MF1360_2).
- Practical training at the workplace in passive reinforcements for concrete (MP0480)

(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:

- Cut and bend rebars manually or using semi-automatic machines, complying with the instructions received in terms of methods of work, safety conditions and end-of-day operations.
- Use personal protection equipment, tools, utensils and machines to shape pieces with elements such as long rebars, hoops, clamps, etc., previously cut and bent, using procedures for binding and non-resistant welding with semi-automatic machines, respecting the instructions received in terms of working methods, health and safety conditions and end-of-day operations.
- Handle loads and operate bridge cranes and hoists safely, carrying out conventional loading, movement and unloading operations of materials or products, following instructions and under supervision.
- Use automatic machines to produce pre-stressed concrete, at all the stages of the process of producing steel frameworks and rebars, also carrying out the tasks of end-of-day and regular maintenance.
- Apply installation techniques for auxiliary and collective protection resources normally used in rebar workshops and assembly of reinforcing products for concrete, helping with their installation and correcting any deficiencies found in those already installed, while complying with specific health and safety measures.
- Organise work preparing and forming reinforcing products for concrete in workshops, estimating material times, the human resources and costs needed in the necessary conditions of safety and quality.
- Organise work assembling reinforced concrete elements in structures, estimating material, time, human resources and costs required in the necessary conditions of safety and quality.
- 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, both in building and civil works. The most pertinent occupations and positions are:

- Steel fixer.
- On-site steelworker.
- Workshop steelworker.
- Rebar foreman.
- Rebar workshop manager.

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 II of Royal Decree 644/2011 of 9 May.(Appendix IX, Code: EOCE0111)

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	87	530
Practical training at the workplace	13	80
Total duration of training leading to the certificate		610

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

