

# EUROPASS CERTIFICATE SUPPLEMENT

## TITLE OF THE DIPLOMA (ES)

*Técnico en Instalación y Amueblamiento*

## TRANSLATED TITLE OF THE DIPLOMA (EN)<sup>(1)</sup>

*Technician in Fitting and Furnishing*

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(1) This translation has no legal status

## DIPLOMA DESCRIPTION

**The holder of this diploma will have acquired the General Competence with regard to:**

Fitting elements of carpentry, wood structures and furniture carrying out the processes related to machining, assembly, adjustment and finishing, as well as complying with the specifications on quality, safety and environmental protection.

**Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below:**

### "Carpentry and Furniture Materials"

The holder:

- Identifies the main types of wood used in carpentry and furniture, relating their characteristics to their applications.
- Selects wood derivative products and other materials used in carpentry and furniture, justifying their application according to the results to be obtained.
- Characterizes wood transformation processes, relating the technical specifications of the products to raw the materials and resources.
- Characterizes the main processes for manufacturing elements of carpentry and furniture, relating them to the historical, aesthetic and operational aspects.
- Recognizes the construction systems used in carpentry and furniture manufacturing and installation, relating them to auxiliary and joining elements.
- Identifies environmental regulations regarding the use of wood, recognizing the quality marks and assessing their contribution.

### "Construction Solutions"

The holder:

- Draws outlines and sketches of carpentry and furniture elements and products, proposing solutions to pre-established requirements.
- Defines manufacturing and fitting solutions regarding carpentry and furniture, justifying the dimensional characteristics and the techniques established.
- Draws plans of carpentry and furniture, applying representation rules and using design programmes.
- Prepares lists of materials for manufacturing and/or fitting carpentry and furniture, identifying, pieces, components and accessories.
- Represents templates and complex pieces for manufacturing and fitting carpentry and furniture, using the established techniques, materials and procedures.

### "Basic Carpentry Operations"

The holder:

- Identifies assembly and joining systems, relating their performance to the intended aesthetic and operational result.
- Selects wood for elements of carpentry manufacture, justifying the choice according to the machining process to be performed and the result to be obtained.
- Carries out marking and drawing operations, interpreting graphical documentation and applying measuring techniques.
- Makes carpentry pieces, machining the wood with hand tools.
- Makes carpentry pieces, machining the wood with conventional machinery.
- Composes carpentry assemblies, adjusting their elements according to the technical documentation.
- Performs the operational maintenance of tools and conventional machinery, applying the procedures established.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and the measures and the equipment to prevent them.

### **“Basic Furniture Operations”**

The holder:

- Selects materials for furniture manufacture, justifying the choice according to the characteristics of the product.
- Makes templates, applying marking, cutting and finishing techniques.
- Mechanizes furniture pieces, using portable machinery.
- Mechanizes furniture pieces, using conventional machinery.
- Assembles furniture elements, locating and fixing the pieces according to the technical documentation.
- Performs the operational maintenance of portable and conventional machinery, applying established procedures.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and the measures and the equipment to prevent them.

### **“Warehouse Control”**

The holder:

- Receives raw materials, components and products, applying inspection, register and control procedures.
- Stocks raw materials, components and products, justifying the selected criteria for their classification, location and control, in order to ensure their preservation.
- Selects the means of transport for raw materials, components and products, checking their characteristics and their operation.
- Prepares orders of raw materials, components and products, justifying the management measures proposed in order to optimize the requests.
- Issues raw materials, components and products, locating them according to the loading method and the mean of transport.

### **“Fitting Planning”**

The holder:

- Collects technical information on carpentry and furniture fitting, relating the needs to the fitting constraints.
- Draws plans of the fitting space, applying representation rules and using design programmes.
- Distributes furniture assemblies using specific computer applications.
- Selects resources for carpentry and furniture fitting, relating the processes to the materials, the machinery and the tools to be used.
- Draws up carpentry and furniture fitting budgets, using computer programs and assessing the different fitting solutions.

### **“Furniture Fitting”**

The holder:

- Lays out furniture fittings, interpreting the project technical documentation and performing marking, checking and levelling operations.
- Determines resources for furniture fitting, collecting materials and preparing equipment and tools.
- Installs kitchens, fixing their elements and performing regulation, adjustment and levelling operations.
- Assembles freestanding furniture, assembling the components and adjusting them according to the type of fitting and their constraints.
- Fits modular furniture, interpreting assembly plans and assembling the elements according to the type of installation.
- Verifies furniture finishing, detecting imperfections and correcting them by hand processes, according to the manufacturer's instructions and occupational health and safety conditions.
- Complies with the rules on labour risk prevention and environmental protection, identifying the risks associated to furniture fitting operations, as well as the measures and the equipment to prevent them.

### **“Carpentry Fitting”**

The holder:

- Lays out carpentry fittings, interpreting the project technical documentation and performing marking, checking and levelling operations.
- Determines resources for carpentry fitting, collecting materials and preparing equipment and tools.
- Installs doors and windows, fixing them to the parameters and performing regulation, adjustment and levelling operations.
- Installs dress rooms and fitting wardrobes, fixing the components and adjusting the iron fittings.
- Installs wooden floorings and derivatives, machining their components and applying assembling and fixation techniques according to the constraints of the installation.
- Covers vertical faces, machining the components and applying assembling and fixation techniques according to the conditions of the installation.
- Verifies carpentry finishing, detecting imperfections and correcting them by hand processes, according to the manufacturer's instructions and occupational health and safety conditions.
- Complies with the rules on labour risk prevention and environmental protection, identifying the risks associated to carpentry fitting operations, as well as the measures and the equipment to prevent them.

### **“Wood Structure Fitting”**

The holder:

- Lays out wood structure fittings, interpreting the project technical documentation and performing marking, checking and levelling operations.
- Determines resources for wood structure fitting, collecting materials and preparing equipment and tools.
- Installs wooden stairs and handrails, fixing and adjusting their elements according to the technical documentation.
- Installs coffered and decorative ceilings, machining complementary elements (mouldings, fillets and ceramics) and applying fixing techniques at a height.
- Mechanizes wood pieces for the installation of structures, composing their elements by means of joints and iron fittings.
- Applies finishing and preventive treatments, justifying the choice of products, tools and means, and applying them by mechanical and hand means.
- Complies with the rules on labour risk prevention and environmental protection, identifying the risks associated to wood structure fitting, as well as the measures and the equipment to prevent them.

### **“Professional Training and Guidance”**

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company's goals.
- Exercises rights and complies with the duties derived from labour relationships, recognizing them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different covered eventualities, identifying the different types of assistance.
- Assesses the risks derived from his/her activity, analysing the job conditions and the risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan for a small enterprise, identifying the responsibilities of all the agents involved.
- Applies protection and prevention measures, analysing the risk situations in the labour setting of the Technician in. Fitting and furnishing.

### **“Business and Entrepreneurial Initiative”**

The holder:

- Recognizes the skills related to entrepreneurial initiative, analysing the requirements derived from job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the performance setting and incorporating ethic values.
- Carries out the activities for the setting-up and implementation of a company, choosing its legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

### **“On the Job Training”**

The holder:

- Identifies the company's structure and organization relating them to the production and the marketing of the products obtained.
- Applies labour and ethic habits in his/her professional activity according to the characteristics of the job position and the procedures established by the company.
- Performs receipt, storage and consignments of materials in carpentry, furniture and wood structures, applying quality procedures and occupational health and safety regulations.
- Cooperates in the preparation of carpentry, furniture and structure fitting projects, collecting data, drawing plans and construction details and drafting budgets.
- On site arranges the resources required for fitting carpentry, furniture and structure elements, collecting materials and preparing tools and equipment.
- Installs carpentry elements, assembling the components, fixing accessories and adjusting the iron fittings.
- Installs furniture, assembling the components, fixing accessories and adjusting the iron fittings.
- Performs wood structure assembly operations, interpreting the technical documentation and fixing the elements, iron fittings and accessories.

## RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA

The Technician in Fitting and furnishing works in companies assembling and fitting carpentry and furniture and applying finishing products for retouching.

The most relevant occupations or jobs are the following:

- Wood carpenter team leader
- Construction carpenter assembler
- Carpenter as a whole
- Scenery carpenter
- Cabinetmaker and assimilated worker
- Furniture assembler-fitter
- Manufacturer of wood structures and carpentry and cabinetmaking pieces for construction

## AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA

**Name of the body awarding the diploma** on behalf of the King of Spain: Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain

**Official duration of the education/ training leading to the diploma:** 2000 hours.

**Level of the diploma (national or international):**

- NATIONAL: Post-Compulsory Secondary Education
- INTERNATIONAL:
  - Level 3 of the International Standard Classification of Education (ISCED3).
  - Level \_\_\_\_\_ of the European Qualifications Framework (EQF\_\_).

**Entry requirements:** Holding the Certificate in Compulsory Secondary Education or holding the corresponding access test.

**Access to next level of education/training:** This Diploma may provide access to Advanced Training Cycles provided that an entrance exam is passed.

**Legal basis:** Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 880/2011, of 24 June, according to which the diploma of Technician in Fitting and furnishing and its corresponding minimum teaching requirements are established.

**Explanatory note:** This document is designed to provide additional information about the specified diploma and does not have any legal status in itself. An Annex I may be added and will be filled in by the corresponding Autonomous Community.

# INFORMATION ON THE EDUCATION SYSTEM

