



# NORMA

DOORS Technologies



POLITÉCNICA

# Certificado del Sistema de Gestión de la Calidad



AENOR

ER-0428/2014

AENOR, Asociación Española de Normalización y Certificación, certifica que la organización

## **NORMA DOORS TECHNOLOGIES, S.A.**

dispone de un sistema de gestión de la calidad conforme con la Norma UNE-EN ISO 9001:2008

para las actividades: **El diseño y la producción de elementos de carpintería de madera (hojas de puerta, hojas de armario, bloc-port, puertas blindadas, puertas resistentes al fuego, frentes y módulo de armario).**

que se realizan en: **PARAJE QUIÑONES, S/N. 42140 - SAN LEONARDO DE YAGÚE (SORIA)**

Fecha de primera emisión: 2014-07-10  
Fecha de expiración: 2017-07-10



AENOR Asociación Española de Normalización y Certificación

Avelino BRITO MARQUINA  
Director General de AENOR

**AENOR** Asociación Española de Normalización y Certificación

Génova, 6 28004 Madrid España  
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**AENOR**

Asociación Española de  
Normalización y Certificación

**CERTIFICADO AENOR DE PRODUCTO N° 008 / 000193**  
AENOR PRODUCT CERTIFICATE N°

Pg. 1/2  
2014-09-22

La Asociación Española de Normalización y Certificación (AENOR) certifica que el producto  
The Spanish Association for Standardisation and Certification (AENOR) certifies that the product

**HOJAS DE PUERTAS DE PASO**

**PEDESTRIAN DOOR LEAVES**

detallado en la(s) página(s) siguiente(s),

detailed in the following page(s),

suministrado por

supplied by

**NORMA DOORS TECHNOLOGIES, S.A.**  
**PARAJE QUIÑONES, S/N**  
**42140 SAN LEONARDO DE YAGÚE (Soria - España)**

y elaborado en

and manufactured in

**PARAJE QUIÑONES, S/N**  
**42140 SAN LEONARDO DE YAGÚE (Soria - España)**

es conforme con

complies with

UNE 56801:2008  
UNE 56803:2000  
UNE-EN 1192:2000 (EN 1192:1999)  
UNE-EN 12219:2000 (EN 12219:1999)  
UNE-EN 1529:2000 (EN 1529:1999)  
UNE-EN 1530:2001 ERRATUM

UNE 56802:2012  
UNE 56803:2001 ERRATUM  
UNE-EN 1192:2001 ERRATUM  
UNE-EN 12219:2001 ERRATUM 2  
UNE-EN 1530:2000 (EN 1530:1999)

Para conceder este Certificado, AENOR ha ensayado el producto y ha comprobado el sistema de la calidad aplicado para su elaboración. AENOR realiza estas actividades periódicamente mientras el Certificado no haya sido anulado, según se establece en el Reglamento Particular RP 08.01.

In order to grant this Certificate, AENOR has tested the product and has verified the quality system used in its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with the stipulations of the Specific Rules RP 08.01.

Fecha de concesión: **2014-09-22**  
First issued on:

Fecha de caducidad: **2019-09-22**  
Expires on:

**AENOR** Asociación Española de  
Normalización y Certificación

  
**Avelino BRITO MARQUINA**  
Director General de AENOR  
Chief Executive Officer



**CERTIFICADO AENOR DE PRODUCTO Nº 008 / 000193**  
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Pg. 2/2  
2014-09-22

<b>Tipo estructural</b> <i>Structural type</i>	<b>Modelos derivados</b> <i>Derived models</i>
Norma Fibras	- Canto sencillo - Recanteada, Norma P - Acabado foil
Norma Plafón	- Plafón liso - Plafón rebajado - Recanteada
Norma Maciza de Aglomerado	- Canto sencillo - Recanteada - Acabado HPL - Acabado CPL
Molded	
Molded Maciza	
Puerta Fenólica con Alma de Poliestireno	- Recercado con canto fenólico - Recercado simple de pino

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**CERTIFICATE OF APPROVAL**  
**No CF 5259**

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

**NORMA DOORS TECHNOLOGIES, S.A.**

**Paraje Quiñones, S/N 42140 San Leonardo De Yague (Soria), Spain**  
**Tel: int + 34 97 5376000 Fax: int + 34 97 5376208**

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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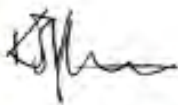
**CERTIFIED PRODUCT**

**T-90-C**  
**ITT Timber Door Assemblies**

**TECHNICAL SCHEDULE**

**TS10 Fire Resisting Door**  
**Assemblies with Non Metallic**  
**Leaves**

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight  
Chairman - Management Council

Issued: 5<sup>th</sup> June 2014  
Valid to: 4<sup>th</sup> June 2019

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**CERTIFICATE No CF 5259**  
**NORMA DOORS TECHNOLOGIES, S.A.**

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This approval relates to the use of the above doors in providing fire resistance of 90 minutes insulation (if incorporating not more than 20% of uninsulating glass) and 90 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors would be expected to meet the relevant requirements of BS 9999 for FD90 doorsets when used in accordance with the provisions therein.

1. This certificate is designed specifically to demonstrate compliance of the product or system with Approved Document B (England and Wales); the Technical Handbooks (Scotland); Technical Booklet E (N. Ireland). If compliance is required with other regulatory or guidance documents there may be additional considerations or conflicts to be taken into account.
2. The doors are approved on the basis of:
  - i) Initial type testing
  - ii) A design appraisal against TS10
  - iii) Inspection and surveillance of factory production control
  - iv) Certification under a CERTIFIRE approved Quality Management System
  - v) Audit testing in accordance with TS10
3. This approval relates to the use of the above doors in providing fire resistance of 90 minutes insulation and 90 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors would be expected to meet the relevant requirements of BS 9999 for FD90 doorsets when used in accordance with the provisions therein.
4. The doors comprise composite (MDF and Magnesium Oxide) cored, timber framed leaves in various finishes for use with MDF composite frames, with intumescent edge seals.
5. This approval is applicable to both complete doorsets and door leaves. Where the door is not supplied in a fully fitted form it is a condition of this approval that an agreed Data Sheet accompanies the product and is complied with in its entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the door.
6. This approval is applicable to single-action, single-leaf, latched, unglazed ITT assemblies, at leaf dimensions up to those detailed within Table 1 below.

**CERTIFICATE No CF 5259**  
**NORMA DOORS TECHNOLOGIES, S.A.**

Doorset configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched	2110 (at 925 wide)	925 (at 2110 high)	1.95

Table 1

**Note:** Under no circumstances must either the maximum height or maximum width be exceeded without separate CERTIFIRE approval.

7. Glazing shall only be undertaken by the door manufacturer, or a CERTIFIRE approved Licensed Door Processor, and shall be in accordance with the Data Information Sheet and construction specification. No site cutting or glazing of apertures is permitted.
8. Hardware items, including closing devices and intumescent fire seals, shall as specified in the Data Sheet.
9. The doorset shall be mechanically fixed to wall constructions having a fire resistance of at least 90 minutes.
10. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF5259 and FD90 classifications resistance shall be affixed to each door in the prescribed position.
11. This approval relates to on-going production. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application when appropriate.

## CF 5259 DATA SHEET

### 1. General

This door leaf has been fire tested and is certified by CERTIFIRE as being capable of providing fire resistance of 90 minutes integrity and 90 minutes insulation (if incorporating not more than 20% of un-insulated glass) as defined in BS 476: Part 22: 1987, when installed in accordance with the following conditions. Subject to these, the door will meet the relevant requirements of BS 9999 for FD 90 when used in accordance with the provisions therein.

In recognition of this, the leaf carries a prefixed label on the top or hanging edge of the door, issued under the terms of the CERTIFIRE scheme. This label uniquely identifies the door leaf, the manufacture of which complies with a CERTIFIRE approved Quality Management System and is subject to on-going surveillance. This label shall not be removed.

It is emphasised that the certification is conditional upon the following instructions being complied with in their entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the door. Door assemblies supplied pre-fitted with components by Norma Doors Technology S.A. may be considered to meet the requirements in respect of those items.

### 2. Door Leaf Dimensions

This approval is applicable to single-action, single-leaf, latched, unglazed ITT assemblies, at leaf dimensions up to those detailed within Table 1 below:

Doorset configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched	2110 (at 925 wide)	925 (at 2110 high)	1.95

Table 1

**Note:** Under no circumstances must either the maximum height or maximum width be exceeded without separate CERTIFIRE approval.

### 3. Door Frame

MDF and Magnesium

Oxide

MDF

- i) Density: 730 kg/m<sup>3</sup> min.
- ii) Dimensions: 155 mm by 28 mm min.
- iii) Door Stop: 11 mm deep rebated from solid

Magnesium Oxide

- i) Density: 700 kg/m<sup>3</sup> nom.
- ii) Dimensions: 60 mm by 10 mm min.

Jointing:

Architrave

mitred with the head screw fixed to the jambs using two steel screws  
Must be include to both faces of frame set a maximum of 5mm back from rebate.

MDF

- i) Density: 770 kg/m<sup>3</sup> min.
- ii) Dimensions: 80 mm by 16 mm min.

Magnesium Oxide

- i) Density: 700 kg/m<sup>3</sup> nom.
- ii) Dimensions: 60 mm x 10 mm

Door to frame gaps:

Not to exceed 4.0mm except at threshold where up to 8 mm is permitted and 3.5 mm at the meeting stiles\*





#### 4. Overpanels

Not permitted

#### 5. Supporting Construction

The door assemblies are approved to be installed in brick, block, masonry, timber or steel stud of minimum thickness 85 mm, providing at least 90 minutes fire resistance. Where stud partitions are used these should be suitably constructed to provide a secure fixing for the doorsets as recommended by the partition manufacturer.

#### 6. Installation

The opening may be lined with softwood which shall be continuous and of minimum width, 85mm. Each door frame jamb to be fixed through to the wall at not less than four points with steel or nylon fixings at maximum 600 mm centres penetrating the wall to at least 50 mm. Architraves as described in Section 3 must be included on the opening face of the frame.

Any voids between the frame and the supporting construction shall be infilled with mineral fibre or, if less than 6 mm wide, an intumescent mastic to a depth of at least 10 mm from each face. Suitable CERTIFIRE approved lineal gap sealing systems may also be utilised to protect the frame/supporting construction gap, subject to the conditions contained within the relevant certificate.

The use of third party accredited installers provides a means of ensuring that installations have been conducted by knowledgeable contractors, to appropriate standards, thereby increasing the reliability of the anticipated performance in fire.

Door leaves may be trimmed to fit the frame by the following maximum amounts:

- Stiles (each) 3 mm
- Top 3 mm
- Bottom 5 mm

Note that the maximum door to frame and door to threshold gaps specified shall not be exceeded, **nor shall the door edge fitted with the CERTIFIRE label be trimmed** since removal of the label will invalidate the certification.

The labelled edge may be subjected to minor 'shooting-in', providing the label is not damaged or removed in the process, and the amount of material removed does not exceed that stated previously.

#### 7. Glazed Apertures

Not permitted.



## 8. Intumescent Seals

CERTIFIRE certificated intumescent seals are required to be fitted to these doors as below.

For doorsets to BS476: Part 22 – classified as FD90

Doorset Configuration*	Position	Required Intumescent Protection
Single-acting Single-leaf doorsets	Top edge of door	2No. 15 mm wide by 2 mm thick 'Palusol' positioned 14 mm apart central to door thickness
	Head	1No. 15 mm wide by 2 mm thick and 1No. 25 x 2 mm 'Palusol', butted together, positioned 5 mm from face of frame. Additionally an Indoplast DV09 polyvinyl compression seal shall be included in the frame rebate.
	Jambs	1No. 15 mm wide by 2 mm thick and 1No. 25 x 2 mm 'Palusol', butted together, positioned 5 mm from face of frame. Additionally an Indoplast DV09 polyvinyl compression seal shall be included in the frame rebate.

\*See Table 1 for size restrictions

Seals may be interrupted at hinge and latch positions. Alternative seals may be utilised in-line with the relevant CERTIFIRE approval for the proposed intumescent seal. All seals to be CERTIFIRE approved (to Technical Schedule 35).

Smoke seals may be included subject to the conditions contained within the relevant CERTIFIRE certificate for the smoke seal.

## 9. Hinges

Hinges shall be CE Marked against EN 1935 for use on 90 minute timber fire doors

Number:	4No.
Type:	Steel lift-off or butt hinges
Positions*:	Maximum 245 mm from top of door to top hinge Maximum 339 mm from top to 2 <sup>nd</sup> hinge Maximum 407 mm from 2 <sup>nd</sup> to 3 <sup>rd</sup> hinge Maximum 303 mm from bottom of door to bottom hinge
Dimensions:	Blade height: 140 mm (+/- 20 mm) Blade width: 30 mm – 40 mm Blade thickness: 3 mm (+/- 0.5 mm)
Fixings:	4 No. steel screws Min No. 8 x 38 mm long
Intumescent: protection**	1 mm Interdens to door and frame recess

\* The datum in all cases is the centreline of the hinge.

\*\* This specification overrides any requirement for additional intumescent identified in the hinge manufacturer's certification providing the hinge specification falls within the parameters identified above, specifically maximum dimensions and material. Where alternative hinges exceed the specification given above the intumescent protection as identified in the hinge manufacture's CERTIFIRE certificate shall apply.

Any other CERTIFIRE approved hinges may be used, subject to the conditions contained within the relevant certificate.



## 10. Locks and Latches

Latches are necessary and shall be CE Marked for use on 90 minute timber fire doors.

Mortice type, automatic (sprung) latch bolt, cylinder rim nightlatches and knobsets.

Max. case dimension:	174 mm high x 90 mm deep x 14 mm wide
Max. forend dimension:	240 mm high x xx mm wide
Max. keep dimension:	184 mm high x 24 mm wide (excluding latch plate)
Latchbolt material:	Steel
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent protection*	1 mm Interdens around lockcase, beneath forend and beneath keep

\* This specification overrides any requirement for additional intumescent identified in the lock manufacturer's certification providing the lock/latch specification falls within the parameters identified above, specifically maximum dimensions and material. Where alternative lock/latch exceeds the specification given above the intumescent protection as identified in the lock/latch manufacture's CERTIFIRE certificate shall apply.

Any other CERTIFIRE approved lock/latch may be fitted, subject to the conditions contained within the relevant certificate.

Recessing for locks should result in a tight fit, allowing for any intumescent protection where required.

No restriction on type and material of handles.

## 11. Self-Closing Devices

All doors are required to be fitted with a CERTIFIRE certificated self-closing device. The exceptions are doors kept locked shut such as service access doors. **Note: closers with mechanical hold-open mechanisms are not permitted to be used.** Building Regulations may identify locations within domestic locations where self-closing devices are not mandatory.

## 12. Ancillary items

### 12a Protection plates and signage

Surface mounted plastic, steel, aluminium or brass plates are acceptable on the basis that:

- < 2mm thick
- Do not occupy more than 20% of the door leaf in total, or exceed 500mm in height for kickplates and 900mm for mid-plates, whichever is the smaller.
- Do not wrap around the vertical edges, and on the closing face do not extend beneath the door stops (generally 40-50mm narrower than door width)

Plates/signage can be bonded with a thermally softening adhesive. Additionally screws may be used.



**12b Flushbolts**

Not permitted

**12c Pull Handles**

Screw-fixed, bolt-fixed from the back and back-to-back fixed pull handles of steel, brass, aluminium and nylon coated, are permitted providing any through-bolt fixing is of steel.

**12d. Air transfer grilles**

**No site cutting of apertures permitted as this will invalidate the certification.**

Not permitted

**12e. Letter Plates**

Not permitted

**12f. Door Viewers**

Not permitted

**12g. Coat Hooks and Other Surface Mounted Hardware**

Ancillary items which are wholly surface mounted may be fitted providing:

- These items are screw fixed or bonded only
- Are not bolted through the full thickness of the door

**13. Further Information**

Further information regarding the details contained in this data sheet may be obtained from Norma Doors Technology S.A. (Tel: int + 34 93 6525600).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from Warrington Certification (Tel: +44 (0) 1925 646777).



## CERTIFICADO

### DE CONFORMIDAD DE LA CADENA DE CUSTODIA DE PRODUCTOS FORESTALES

Nº: PEFC/14-35-00281-AEN

La Asociación Española de Normalización y Certificación (AENOR), habiendo realizado las evaluaciones y controles establecidos en el Sistema Español de Certificación de Gestión Forestal Sostenible (PEFC), certifica que la Entidad:

#### NORMA DOORS TECHNOLOGIES, S.A.

Dispone de un Sistema de Control de la Cadena de Custodia de Productos Forestales en su modalidad individual, conforme con los requisitos del Documento de Referencia: PEFC ST 2002:2013 - Cadena de Custodia de los Productos Forestales, de fecha 24 de mayo de 2013, para las actividades que se llevan a cabo en los emplazamientos de transformación de productos forestales indicados en el anexo a este Certificado.

Fecha de emisión: 2014-07-10  
Fecha de expiración: 2019-07-09



FDO: Avelino BRITO MARQUINA  
Director General de AENOR

AENOR - C/ Génova, 6 - 28004 Madrid (España) - Teléfono (+34) 914 326 000 - Telefax: (+34) 913 26 518 - [www.aenor.es](http://www.aenor.es)



### LICENCIA DE USO DE LA MARCA PEFC

Nº: PEFC/14-35-00281



La Asociación para la Certificación Forestal Española, PEFC - España, basándose en el Certificado de Conformidad de la Cadena de Custodia de Productos Forestales de AENOR, Nº: PEFC/14-35-00281-AEN, concede el derecho de uso de la marca PEFC, a la entidad:

#### NORMA DOORS TECHNOLOGIES, S.A.

Según las condiciones establecidas en el Documento PEFC ST 2001:2008 "Reglas de uso del logotipo PEFC - Requisitos".

Fecha de emisión: 2014-07-10  
Fecha de expiración: 2019-07-09



FDO: Secretario General de PEFC - España

PEFC - España - C/ Viriato, 20 - 3º C - 28010 Madrid (España) - Teléfono: (+34) 915 910 088 - Telefax: (+34) 915 910 087 - [www.pefc.es](http://www.pefc.es)

**ANEXO AL CERTIFICADO DE CONFORMIDAD DE LA CADENA DE CUSTODIA DE PRODUCTOS FORESTALES**

LISTADO DE EMPLAZAMIENTOS DE TRANSFORMACIÓN DE PRODUCTOS FORESTALES Y ACTIVIDADES amparadas en el Certificado de Conformidad de la Cadena de Custodia de Productos Forestales nº PEFC/14-35-00281-AEN, en la modalidad individual.

EMPLAZAMIENTO	DIRECCIÓN	ACTIVIDAD
NORMA DOORS TECHNOLOGIES, S.A.	PARAJE QUIÑONES, S/N. 42140 - SAN LEONARDO DE YAGÜE (SORIA)	La producción de elementos de carpintería de madera (hojas de puerta, puertas blindadas, puertas resistentes al fuego). Método porcentual. Certificado PEFC.

Fecha de emisión: 2014-07-10 Fecha de expiración: 2019-07-09

**AENOR** Asociación Española de Normalización y Certificación

Por AENOR. *Avelino BRITO MARQUINA*  
Director General



Por PEFC - España. *El Secretario General*



THE INTERNATIONAL CERTIFICATION NETWORK

# CERTIFICATE

IQNet and  
AENOR  
hereby certify that the organization

**NORMA DOORS TECHNOLOGIES, S.A.**

PARAJE QUIÑONES, S/N.  
42140 - SAN LEONARDO DE YAGÜE  
(SORIA)

for the following field of activities

The design and production of wooden carpentry elements (Door leaves, wardrobe doors, pre-prunged doors, security doors, fire resistant doors, wardrobe boxes & faces).

has implemented and maintains a

**Quality Management System**

which fulfills the requirements of the following standard

**ISO 9001:2008**

First issued on: 2014-07-10

Validity date: 2017-07-10

**Registration Number: ES-0428/2014**



*Michael Drechsel*  
President of IQNet

*Avelino BRITO*  
Chief Executive Officer

Asociación Española de  
Normalización y Certificación  
**AENOR**

**IQNet Partners\*:**

AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE Mexico AFCEP Portugal CCC Cyprus  
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany  
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland IRAM Argentina  
JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland  
Quality Austria Austria RR Russia SH Israel SIQ Slovenia SIRIM QAS International Malaysia  
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia  
IQNet is represented in the USA by: AFKOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)