

CE Marked External Doorsets

A guide for construction site management



Foreword

From the 1st July 2013 it became a legal requirement for external doorsets to be CE marked under the Construction Products Regulation. This includes CE marked emergency escape doorsets (also referred to as fire escape doors) CE marked external doorsets may in addition have fire resisting performance properties.

Factory prepared CE marked external doorsets are manufactured under formal quality control systems, with performance features independently tested to a unified framework of new standards ensuring fitness for purpose.

From 1st July 2013, external doorsets within the scope of EN 14351-1:2006* have had to be CE marked by the person responsible for placing the complete doorset on the market (who may be a manufacturer, a distributor or an installer) and who must:

- Obtain performance test data from a notified test laboratory,
- Declare the performance of the doorset in an official Declaration of Performance,
- Affix the CE mark visibly to the products or on to a label attached to it or on the packaging,
- Issue handling, installation and maintenance instructions.

* Full title: EN 14351-1:2006+A2:2016 - Windows and doors. Product standard, performance characteristics.

Windows and external pedestrian doorsets

This document forms a unified framework under which external doorsets can be classified in accordance with their performance characteristics against a series of supporting EN test standards listed in the document.



What is a CE marked external doorset?

A CE marked external doorset must be from a single source. A single source is any person or organisation that places a doorset on the market for sale



OR



OR

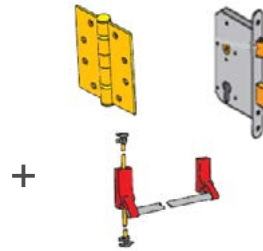
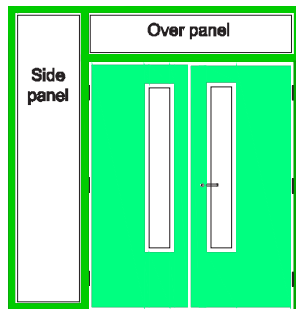
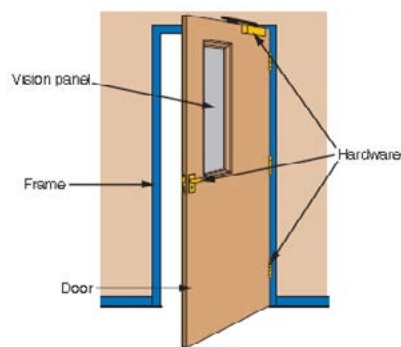


Manufacturer

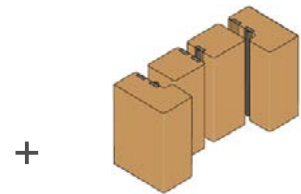
Merchant/Distributor

Installing supplier

A CE marked external doorset must be a complete doorset product package under the responsibility of the single source comprising door, frame, hardware, glass and seals.



Essential hardware



Seals

A CE marked external doorset must either be fully assembled, or ready for assembly with simple tools, if the single source is not the installer.



OR



+



The single source may take responsibility for assembly and installation on site of the complete CE marked doorset package.

Doorset materials and components (doors, frames, hardware, seals and glass) delivered by one or more suppliers and assembled on site by an installing service organisation must be CE marked and accompanied by a Declaration of Performance, providing that the control of these operations is under the overall contractual responsibility of a single source.

Which doorsets cannot be CE marked

Internal doorsets cannot be CE marked for their performance characteristics for the time being until the harmonised standard for internal doorsets is approved in the near future.

What are the benefits to you of factory prepared CE marked external doorsets?

- Doorsets manufactured under Factory Production Control procedures delivered to site with hardware fitted or fully prepared for
- Hardware and glass supplied from the same source that you can be sure is compatible with the performance of the doorset
- Doorsets that arrive complete or in kit form ready for prompt fitting
- Doorsets with some or all of a series of third-party tested essential performance characteristics set down in EN 14351-1 that you would normally expect in an external doorset. These are:
 - air leakage
 - watertightness
 - resistance to wind load
 - thermal transmittance (U value)
 - acoustic performance
 - impact resistance for doorsets with glazing
 - ability of exit devices on emergency escape doors to release
 - declarations on radiation properties and any dangerous substances

However it should be noted that declared CE marked performance characteristics may not necessarily satisfy the minimum requirements of certain Building Regulations.

EN 14351-1 also details a number of tests for 'voluntary' characteristics which manufacturers may opt to undertake to demonstrate additional performance features such as strength and durability of the doorset. It is quite common for project specifications for external doorsets to stipulate compliance with other performance standards such as security. These are also classed as voluntary performance characteristics.

Which doorsets cannot be CE marked

On 1st November 2016, it became possible to voluntarily CE mark external doorsets for resistance to fire and/or smoke characteristics in accordance with harmonised standard EN 16034:2014

It should be noted that for CE marking purposes, EN 16034 cannot be used alone and the performance must be declared in the DoP and CE mark label in conjunction with characteristics listed in the product standard EN 14351-1 (external pedestrian doorsets and windows), as shown in the example DoP on page 4.

The period of co-existence lasts until 31st October 2019 during which external doorsets complying with EN 14351-1 may have non-CE marked fire and smoke performance test evidence in order to satisfy national building regulations. Such doorsets will have been fire tested to BS 476 Part 22 or to EN 1634-1 and may have third party fire certification as recommended by **dhf**.

In such circumstances the fire performance of the doorset must not be included in the Declaration of Performance or the CE marked label and must be stated separately. Third party certification labels must not be confused with CE marked labels.

CE marking of doorsets to EN 16034 is compulsory from 1st November 2019.

What is a Declaration of Performance (DoP)?

The single source of CE marked external doorsets will be required to issue a Declaration of Performance in a prescribed format. This covers the mandated essential characteristics listed in EN 14351-1:2006. The purpose of this document is to enable easy comparison of performance, as shown in the example on page 4 of a DoP for an external doorset with fire resistance characteristics:

Distributors of 'branded' CE marked doorsets must issue a Declaration of Performance in the name of the 'branding' manufacturer.

It should be noted that where permitted by local Building Regulations the manufacturer has the option of making a "no performance determined (npd)" declaration against certain performance characteristics as indicated in the standard. It is therefore essential to check all CE marking characteristics claimed in the supplier's Declaration of Performance when comparing doorsets with each other.

Any other performance features of the doorset must not be listed in the Declaration of Performance.

Such performance features may include compliance with independent security standards.

These characteristics are not relevant to CE marking and must be issued to you in a separate document or documents and labelled on the doorset separately.

The dhf recommends the labelling of doorsets

Regulation (EU) 305/2011

Declaration of Performance

No: XDOR F-800 series

1. **Unique identification code of the product type:** XDOR F-800 series
2. **Intended use/es:** Communication in domestic and commercial locations; fire and/or smoke compartmentation and/or escape routes.
3. **Manufacturer:** Ashby Steel Doors (1960) Ltd
4. **System/s of AVCP:** System 1 and 3
5.
 - a. **Harmonised standards:** EN 14351-1:2006 + A2:2016; EN 16034:2014 + A1:2016
 - b. **Notified body/ies:** PDQ Certification (UK) (Notified body 9913) issued a certificate of constancy of performance and carried out type testing and calculation
6. **Declared performance**

Essential Characteristic	Declared performance	Harmonised standard
Watertightness	Class 3	EN 14351-1:2006 + A2:2016
Dangerous substances	None	
Resistance to wind load	Class 5	
Impact resistance	Class 2	
Height	2000 mm	
Acoustic performance	NPD	
Thermal transmittance	1.7 W/m ² K	
Radiation properties	NPD	
Air permeability	Class 3	
Resistance to fire (for fire compartmentation uses): E: EI ₁ : EI ₂ : EW:	120 NPD NPD NPD	
Smoke control	S ₂₀₀	
Ability to release	Released	
Self-closing	C	
Durability of ability to release	Release maintained	
Durability of self-closing: • Against degradation (cycle testing): • Against ageing (corrosion):	2 achieved	


7. The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Ian M Somebody (Managing Director)

At Anytown on 5 November 2016 Signature: ***I AM Somebody***

Example of a CE marked external doorset label

		16
		Ashby Steel Doors (1960) Ltd, Anytown XDOR F-800 series doorset
Essential characteristic	Declared performance	Harmonised standard
Watertightness	Class 3	EN 14351-1:2006 + A2:2016
Dangerous substances	None	
Resistance to wind load	Class 5	
Impact resistance	Class 2	
Height	2000 mm	
Thermal transmittance	1.7 W/m ² K	
Radiation properties	NPD	
Air permeability	Class 3	EN 16034:2014 + A1:2016
Resistance to fire (for fire compartmentation uses): E:	120	
Smoke control	S ₂₀₀	
Ability to release	Released	
Self-closing	C	
Durability of ability to release	Release maintained	
Durability of self-closing: • Against degradation (cycle testing): • Against ageing (corrosion):	2 achieved	
PDQ Certification (UK) (Notified body 9913) issued a certificate of constancy of performance and carried out type testing and calculation. Intended use: Communication in domestic and commercial locations; fire and/or smoke compartmentation and/or escape routes.		

How can you be sure that you are receiving CE marked doorsets on site and that they meet your performance requirements ?

Only place orders with a single source

- Ask to see the Declaration of Performance along with any separately documented voluntary characteristics
- Check that these meet the performance requirements of your project and compare with other competing products, before placing an order
- Check the labelling and packaging of doorsets when they arrive on site

Always order CE marked doorsets manufactured by a dhf member!

Further detailed information on the CE marking of doorsets is provided in **dhf** guides:

Specifying CE marked doorsets

Part 1: an introduction for building professionals.

Part 2M: External metal doorsets without resistance to fire and/or smoke leakage characteristics.

These publications are available on the **dhf** website: www.dhfonline.org.uk

dhf

dhf is able to arrange confidential help and advice should you require assistance with any of the topics covered in this document.

dhf is working closely with a number of groups to promote a wider understanding of the benefits of CE marking of doors, doorsets and components and the implications of current and future legislation.

These groups consist of:

- Building professionals including specifiers, architects and contractors
- Housebuilders
- Enforcement authorities including Trading Standards & Building Control
- Trade associations in the building and construction sector

For more information visit www.dhfonline.org.uk where a number of best practice guides, technical guides, and codes of practice are available.





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