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Product Name:
Premdor Crosby CF380 single leaf timber doorset & ROCKWOOL Fire Barrier EN

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UKAS PRODUCT CERTIFICATION
4705

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1. Introduction

This classification report defines the classification assigned to the element Premdor Crosby CF380, single leaf timber doorset, when installed within an associated supporting construction comprising ROCKWOOL Fire Barrier EN partition system, in accordance with the procedures given in BS EN 13501-2: 2016.

2. Details of classification product

2.1 General

The system comprised a Premdor Crosby CF380 single leaf timber doorset of nominal overall dimensions 2023mm high x 830mm wide, which was installed within an associated timber framed partition that was clad with ROCKWOOL Fire Barrier EN.

2.2 Product description

The element, Premdor Crosby CF380, single-leaf, single-acting timber doorset, and its associated supporting construction, are fully described in the test report provided in support of Classification, detailed in clause 3.1.

3. Test reports in support of classification

3.1 Summary of test reports

Name of laboratory	Name of sponsor	Test reference	Test date	Test method
Warringtonfire Testing and Certification Limited	ROCKWOOL® Limited	539151/R	20/07/2023	BS EN 1634-1: 2014+A1:2018

3.2 Results

Summary of report No.: WF No. 539151/R

A fire resistance test in accordance with BS EN 1634-1:2014+A1:2018, on a Premdor Crosby CF380, single-leaf, single-acting, timber doorset, installed within a wall assembly, referenced 50mm ROCKWOOL® Fire Barrier EN, that was installed in two layers and fixed to a timber frame soffit.

A timber flexible partition was constructed out of 97mm wide x 47mm thick "Softwood (grade TR26)". The timber frame was fixed on its top and bottom edges. The frame incorporated an opening that was fixed to the width of the doorset. The nominal dimensions were 2023mm high x 830mm wide.

The doorset was installed such that it opened towards the heating conditions of the tests and was latched but not locked for the duration of the test.

The flexible partition was faced on both sides with a single layer of 50mm ROCKWOOL Fire Barrier EN, a dense stone wool roll with an integral foil facing and wire mesh to the outer face.

All vertical and horizontal joints were butt jointed and stitched using 0.9mm steel wire at max. 150mm centres. The barrier was not stitched back to the timbers.

The barrier was fixed onto ROCKWOOL Fire Barrier support angles and clamping plate at the head. The support angles were screw fixed to the face of the timber along the head rail. The barrier was fixed to the timber studs around the door frame and to the base feet with clamping plates and wood screws.

INTEGRITY:		33 Minutes
INSULATION:	I_1	26 Minutes
	I_2	30 Minutes

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with Clause 7 of EN 13501-2:2016.

4.2 Classification

The element, Premdor Crosby Ltd CF380 timber doorset when installed within a ROCKWOOL Fire Barrier EN, associated supporting construction, is classified according to the following combinations of performance parameters and classes as appropriate.

R	**E**	**I**	**W**		***t***	***t***	**-**	**M**	**S**	**-**	**C**	**IncSlow**	**sn**	**ef**	**r**

Premdor CF380 installed in an associated supporting construction comprising 50mm ROCKWOOL® Fire Barrier EN when fixed to a timber partition

A Premdor CF380 door leaf with an overall size of 1982mm high x 763mm wide x 44mm thick installed within a softwood, rebated timber frame incorporating 15mm wide x 4mm thick Pyroplex CF 355 graphite intumescent. The leaf had 2.7mm thick veneered MDF facings to both sides and 6mm thick hardwood lipping to the vertical edges. The leaf was installed on 3no. stainless steel hinges such that it opened towards the heating conditions of the test. An ASSA Abloy CE3F steel door closer was installed, face fixed, on the exposed face of the leaf. A steel lockset/latch was installed in the doorset, the latch was engaged throughout the duration of the test.

The frame of the door was fixed to an associated supporting construction comprising a timber framework faced on each side with a layer of 50mm thick Fire Barrier EN.

ROCKWOOL FIREPRO Acoustic Intumescent sealant was applied to the perimeter between the door frame and supporting construction.

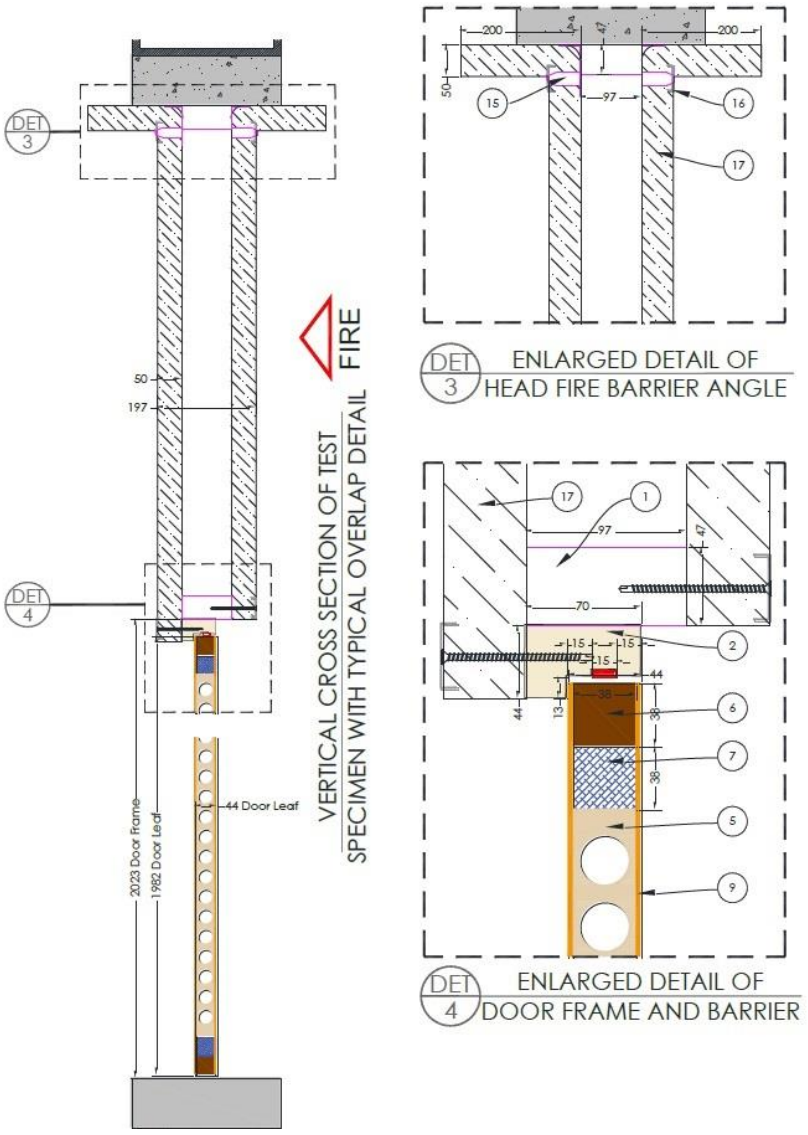
Fire Barrier EN fixed to both faces of the timber framework with ROCKWOOL® Fire Barrier support angles and clamping plate which are screw fixed to the face of the timber along the head.

The barrier was fixed to the timber framework around the door frame and to the base feet with clamping plates, so that space was allowed for the door to function.

All joints butt jointed and stitched using 0.9mm steel wire at max. 150mm centres.

Timber framework constructed out of minimum 97mm wide x 47mm thick timber with a nominal density of 440kg/m^3.

See classification below.



Key:

1. Softwood timber framework
2. Softwood door frame
5. RE4 Tubecore
6. Softwood stiles and rails
7. Chipboard rail
9. MDF facings
15. Fire Barrier Angle
16. Fire Barrier Clamping Plate
17. Fire Barrier Curtain

Premdor Crosby CF380 Timber doorset, when installed within a timber frame system, clad on each face with ROCKWOOL Fire Barrier EN.

Configuration	Maximum Size	Fire Resistance Classification
Premdor Crosby CF380 - Latched	2023mm high x 830mm wide	**EI_2 30**

4.3 Field of Application – Fire doors

The classification is valid for the following end use applications (as defined in EN 1634-1: 2014+A1: 2018, referencing the following appropriate clauses of EN 1634-1: 2014+A1: 2018):

13.6 Associated supporting constructions
The fire resistance of a door tested in an associated supporting construction has no field of direct application. The applicability of the result to other supporting constructions shall be the subject of extended application.

5. Limitations

This classification report does not represent type approval or certification of the product.

6. Signatories

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Built Environment

Reviewed by:

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Built Environment

For and on behalf of UL International (UK) Ltd.