

MORE FROM WOOD.



## FIRE DOOR CORES

PROFESSIONAL

EUROSPAN® FD30



## PARTICLE BOARD DESIGNED TO WITHSTAND THE INTENSE HEAT OF A MAJOR FIRE



The EGGER range of EUROSPAN® Type P2 Fire Door Cores are **highly engineered**, 44 mm particle boards. Manufactured from a selected wood chip mix, bonded with UF resin, the EUROSPAN® door cores form an integral component in a doors' front line fire protection.

EGGER P2 EUROSPAN® particleboard is manufactured to EN 312-2:2003 and is **FSC certified** through HolzCert Austria HCA-COC-100017.

### PERFORMANCE

EUROSPAN® Fire Doors are designed to provide a minimum of 30 minutes fire resistance. Tested by Chiltern International EUROSPAN® FD30 doors have exceeded the minimum requirements set out in BS476 Part 20/22: 1987 and have been certified within the BM Trada scheme for Q-Mark Fire Doors. Global assessment CHILT/A09077 'Revision A' September 2009 applies.

### THE RANGE

EUROSPAN® Fire Door Cores are 44 mm thick and are available in the sizes stated in the stock programme. Ideal as a door core for laminating and veneering. EGGER's range of door size laminate (in thickness 0.8 mm, 2150 x 950, 2150 x 1020, 2350 x 950, 2800 x 1300 mm) are an ideal solution for fabricating to EUROSPAN® FD30.

### STOCK PROGRAMME

2060 x 840 mm  
2135 x 915 mm  
2440 x 915 mm  
2440 x 1220 mm  
2800 x 915 mm  
2800 x 1830 mm

### TO SPECIAL ORDER

For anything outside of the stock programme please ask for minimum order requirements.

Multiple and single glazed apertures are covered by the assessment to a maximum area of 1.29m<sup>2</sup>. A transomed overpanel can be fitted to a doorset to a maximum size of 2000 mm (single) and 1500 mm (double).



## EUROSPAN® FD30 TECHNICAL INFORMATION

Physical Properties				
Type	Particleboard specially developed as a high performance door core. Conforms to BS EN 312-2 (Type P2)			
Fire test reports	RF09015, RF09039, RF09101			
Surface spread of flame	Bs476 Class 3			
Composition	100 % Softwood (Spruce, Pine, Larch, sawmills residues, recycled wood fibre)			
Moisture content ex factory	6-8 %			
Emission classification	Complies with BS EN 120 Class E1 (below 8 mg/100 g)			
Fire behaviour category	EN 13 986	D - s2, d0		
Water vapour diffusion resistance value	Mean density 540 kg/m <sup>3</sup>		μ moist 15	μ dry 50
Thermal conductivity EN 12524	Mean density 540 kg/m <sup>3</sup>		0.105 W/(m·K)	
Air sound insulation EN 13986	EN 13986	R = 13 × lg(mA) + 14    mA = board surface weight kg/m <sup>2</sup>		
Sound absorption EN 13986	Frequency range:	250 Hz bis 500 Hz	0.10	1000 Hz bis 2000 Hz    0.25
Biological durability EN 13986	EN 335-3	Hazard category 1 (no earth contact; dry 20 °C/65 % relative humidity)		
PCP content EN 13986	EN 13986	<5 [ppm]		
Fire Rated	44 mm FD30			
Door Frames	MDF 750 kg/m <sup>3</sup>	Softwood 510 kg/m <sup>3</sup>		Hardwood 510 kg/m <sup>3</sup>
Lipping Glue Lines	PU/UF/PVA			
Lipping Glue Lines	Lippings 8 mm			
Glazing Areas	1.29m <sup>2</sup>			
Features	Average Density kg/m <sup>3</sup>	540 ± 10		
	Average Weight kg/m <sup>2</sup>	23.8 kg/m <sup>2</sup>		
	Acoustic Performance	See SRL Technical Report C/09/5L/20824/R01 October 2009		
	Mechanical (Duty Grade)	awaiting test report		
Board Sizes (44 mm) Stock Pack of 24	2060 × 840 mm			
	2135 × 915 mm			
	2440 × 915 mm			
	2440 × 1200 mm			
	2800 × 915 mm			
	2800 × 1830 mm			

Note: Fire resistant door cores have been tested to BS476 Part 20/22. Reference should be made to the appropriate Assessment or Test Report for installation details that must be adhered to for the doors to achieve the fire performance rating.

## DOOR SET CONFIGURATIONS

Configurations/ Sizes	
LSASD & ULSASD	Latched & unlatched single acting single doorset
DASD	Double acting single doorset
LSASD+OP+ULSASD+OP	Latched & unlatched single acting single doorset with overpanel
LSADD+ULSADD	Latched & unlatched single acting double doorset
LSADD+OP+ULSADD+OP	Latched & unlatched single acting double doorset with overpanel
DADD	Double acting double doorset

## INTUMESCENT MATERIALS

Application	Location	Manufacturer/Product
Edge seals	Fitted in the frame jambs or leaf edges	1. Lorient Polyproduct Ltd - type 617 2. Mann McGowen Fabrication Ltd - 100p 3. Pyroplex Rigid box seal
Hinges	Under hinge blades (doorsets over 2440)	1. Lorient Polyproducts Ltd - 1 mm MAP paper 2. Dufaylite Developments Ltd - 1 mm interdens 3. Intumescent seals Ltd - 1 mm Therm-A-Flex 4. Mann McGowan Ltd - 1 mm Pyrostrip
Lock / Latches	Under forend & keep (forends over 57 × 26)	1. Lorient Polyproducts Ltd - 1 mm MAP paper 2. Dufaylite Developments Ltd - 1 mm interdens 3. Intumescent seals Ltd - 1 mm Therm-A-Flex 4. Mann McGowan Ltd - 1 mm Pyrostrip
Flush bolts	Lining all sides of the mortices	1. Lorient Polyproducts Ltd - 1 mm MAP paper 2. Dufaylite Developments Ltd - 1 mm interdens 3. Intumescent seals Ltd - 1 mm Therm-A-Flex 4. Mann McGowan Ltd - 1 mm Pyrostrip
Cableways	Lining the base of the groove	1. Lorient Polyproducts Ltd - 1 mm MAP paper 2. Dufaylite Developments Ltd - 1 mm interdens 3. Intumescent seals Ltd - 1 mm Therm-A-Flex 4. Mann McGowan Ltd - 1 mm Pyrostrip
Top and bottom pivot points	Lining all sides of the mortice	1. Dufaylite Developments Ltd - Interdens 2. Lorient Polyproducts Ltd - MAP paper 3. Approved intumescent protection pack as supplied by hardware manufacturer

## TESTED HARDWARE

Element	Make / type	Size (mm)	Location
Hinges	Royde and Tucker H105 lift off types	101 × 32 (blade size)	Fitted as section 11.2
Closers	Dorma Door Controls TS68	220 × 54 (foot print size)	Fitted to exposed face of the leaf as per manufactures specification
Locks / Latches	Henderson Hardware Tubular mortice latch	57 × 26 (forend size)	Fitted in leaf edge 1000 mm up from base of leaf
Floor Springs	Dorma Door Controls BTS80F	341 long × 78 wide × 60 deep	Fitted as per manufacturers specification
Top Pivots	Dorma Door Controls 8067	165 long × 25 wide	Fitted as per manufacturers specification

## ASSESSED GLAZING SYSTEMS

Glazing System	Manufacturer
Therm-A-Glaze 30	Intumescent Seals Ltd
Fireglaze 30	Sealmaster Ltd
Firestrip 30	Hodgsons Sealant Ltd
Pyroglaze 30	Mann McGowan Ltd
R8193	Pyroplex Ltd
System 36	Lorient Polyproducts Ltd
Flexible Figure 1	Lorient Polyproducts Ltd.

## ASSESSED GLASS PRODUCTS

Glass Type	Manufacturer
6 & 7 mm Pyroshield™	Pilkington Glass Ltd
6 mm Pyran	Schott Glass Ltd
6 mm Pyroguard™	CGI Ltd (limited to 0.90 m <sup>2</sup> )
7 mm Pyrobelite®	AGC Flat Glass Europe
7 mm Pyrodur™	Pilkington Glass Ltd
10 mm Pyrodur™ 30-201	Pilkington Glass Ltd
12 mm Pyrobelite®	AGC Flat Glass Europe
13 mm Pyrodur™ 60-20	Pilkington Glass Ltd
14 mm Swissflam Lite®	Vetrotech Saint-Gobain Ltd
15 mm Pyrostop™ 30-10	Pilkington Glass Ltd

## EGGER EUROSPAN® 44 mm FD30 FIRE DOOR CORES - ACOUSTIC TEST

dB Rw (C;Ctr)	Glazed/Flush	Seal Specification
34 (-1;-2)	15 mm ESG glazing system 36/15	LP1504DS, IS1212k, IS8010si
33 (-1;3)	10 mm Pyrodur glazing system 36/10	LP1504DS, IS8010si
33 (-1;-2)	11.4 mm Pyroguard glazing FFI glazing system	IS1212k, IS8010si
33 (-1;-2)	11.4 mm Pyroguard glazing FFI glazing system	LP1504DS, IS8010si
33 (-1;-2)	10 mm ESG glazing in glazing system 36/10	LP1504DS, IS8010si
33 (-1;-2)	7 mm Pyrodur glazing system 36/7	IS1212k, IS8010si
33 (-1;-2)	7 mm Pyrodur glazing system 36/7	LP1504DS, IS8010si
33 (0;-2)	15 mm ESG glazing system 36/15	IS1212k, IS8010si
32 (-1;-2)	15 mm Pyrostop glazing in glazing system 36/15	LP1504DS, IS8010si
32 (0;-1)	7 mm Pyrodur glazing system 36/7	IS1212k, IS8010si
31 (-1;-2)	Flush	LP1504DS, IS1212K, IS8010si
30 (-1;-2)	Flush	IS1212k, IS8010si
30 (-1;-2)	Flush	LP1504DS, IS8010si

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