



SOLID PARTICLE BOARD CORE TECHNICAL SPECIFICATIONS

TECHNICAL INFORMATION

It comprises a 3 layer particle board manufactured by continuous press to produce a high performance timber door blank.

Availability – thickness

- 44mm (FD30)
- 54mm (FD60)

Blank sizes

- 2060 x 840*
- 2135 X 915
- 2440 x 1220*
- 2800 x 915*

*Only available as 44mm FD30

Other sizes available on request (minimum order applies)

Composition

- Spruce/Fir/Recycled timber
- Urea formaldehyde resin
- Paraffin wax/silica

Physical properties

- Average density (by weight) - 620kg/m³ (+/- 10%)
- Moisture content - ex factory - 6-10%
- Formaldehyde emission - EN13986 - E1
- 80 grit surface sanding

Performance criteria

Fire	• BS 476: Part 22: 1987 • BS EN 1634-1: 2000/2008 & BS EN 1363-1: 1999 • UL 10c	
Acoustic	• BS EN 180 141-3 1995 • BS EN 156 717-1 1997	- Up to 36 dB
Operation and durability	• DD 171 : 1997 clauses 4.3, 4.4, 4.9, 4.10, 4.11 • EN 1191: 2000 • EN 947, EN 948, EN 949 and EN 950 • PAS 23 clause 6.3	- Severe duty - In excess of 500,000 cycles - Severe duty - Evaluated against
Thermal	• BS EN ISO 10077-2: 2003 • BS EN ISO 10077-1: 2006	- Up to 1.8W/m ² K

TECHNICAL INFORMATION

Composition

Fir/Spruce	91%
Resin binder-U/F	8%
Paraffin wax/solids	0.7%
Silica content	0.3%

Sizing

Thickness tolerance	EN 324-1	0.3mm
Length tolerance	EN 324-1	± 5mm
Width tolerance	EN 324-1	± 5mm
Squareness	EN 324-2	± 2mm

Performance

Density	EN 323	±	ave620(+ 10/-10%) kg/m3
Screw retention centre edge	EN 320		ave400 N
Moisture content ex-works	EN 322		5 to 9 %
Formaldehyde emission	EN 120		EN 13986 class E1
Finsh face sanding			80 grit

Properties referring to

Thickness	EN 312 P 2	>32to40	>40mm	
Bending strength	EN 310	ave8.5	ave7	N/mm2
Modulus of elasticity	EN310	ave1200	ave1050	N/mm2
Internal bond	EN319	ave0.20	ave0.20	N/mm2
Surfaces soundness	EN 311	ave0.8	ave0.8	N/mm2

Packing & marking

Cover board below
Card protection
Pack label
Stamp



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