PRODUCT DATA SHEET
HABITO®

Habito® DFRI 12,5 mm controlled density fire resistant board with anhanced strength and improved surface hardness

Designed for use in Rigips, Gyproc and Placo wall and partition systems where greater levels of impact/duty, fixing capability and fire protection are required.

Habito® board performance

Main characteristics		Performance
Product type	EN 520	DFRI
Reaction to fire	EN 520	A2-s1; d0
Longitudinal edge type		PRO Papered edge
Transversal edge type		Straight cut edge
Nominal thickness	EN 520	12,5 mm (± 0,5)
Tolerance in width		+0/-4 mm
Tolerance in length		+0/-5 mm
Tolerance in rectangularity		≤ 2,5 mm
Weight		12,2 kg/m^2 (±0,5)
Density	EN 520	>920 kg/m^3
Flexural strength (longitudinal direction)	EN 520	min. 1100 N
Flexural strength (transversal direction)	EN 520	min. 500 N
Shear strength	EN 520	1364 N
Brinell-hardness (6875 N, 6 mm diameter hollow)	EN ISO 6506-1:2006	218 N/mm^2
Hard body impact (tested on CW 75/100 partition)	ISO 7892:1998	Category I-II.
Soft body impact (tested on CW 75/100 partition)	ISO 7892:1998	Category II.
VOC emission	ISO 16000-9:2006 CEN/TS 16516:2013	A+
Thermal conductivity	EN 520	0,25 W/mK
Water vapour diffusion resistance factor μ	EN 520	6-10
Maximum allowed temperature		50 °C
Fire resistance	EN 520	See system documentation of the manufacturer
Airborne sound insulation	EN 520	

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Applications
According to installation manual.

Cutting
The Habito® board may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' recommendations. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used.

Fixing
Fix boards with decorative side out to receive joint treatment or a skim plaster finish. Lightly butt boards together. Never force boards into position. Install fixings not closer than 15 mm from cut edges and 10 mm from bound edges. Position cut edges to internal angles whenever possible, removing paper burrs with fine sandpaper. Stagger horizontal and vertical board joints between layers by a minimum of 600mm. Locate boards to the centre line of framing where this supports board edges or ends.

Jointing
Jointing materials produce a smooth, continuous, crack-resistant surface ready for priming and final decoration. A number of jointing specifications are available to suit the board type, method of application and site preference. Vario joint filler and glass fibre tape is recommended for joint preparation.

Finishing
The face of Habito® boards can be plastered with ProMix Finish or other plasters. There should be the minimum of delay between completion of the lining and the commencement of plastering.

Decoration
After the plaster finish or joint treatment has dried, decoration, including any decorator's preparatory work, should follow with minimum delay.

Fixing capability: 15kg number 10 wood screw (5x50 mm)


A no. 10 woodscrew will provide a safe working load (SWL) of up to 15kg per fixing. We recommend that you follow the manufacturer's guidance as to the number of fixtures required to mount a fixture. Example: If a TV weighs 15kg with its bracket and the bracket accepts four fixings, you should use four screws, even though this provides 60kg safe working load. Fixings / fixtures should not be made into damaged areas.

Effect of temperature
Habito® boards are unsuitable for use in areas subject to continuously damp or humid conditions, i.e. above 70% RH, and must not be used to isolate dampness. The Habito® boards are not suitable for use in temperatures above 50°C but can be subjected to freezing conditions without risk of damage.

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