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Technical product data sheet

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Physical characteristics

Type of product	Flat fiber cement sheets for exterior and interior cladding.	EN 12467:2012
Type of base panel	Through colored autoclaved base panels in 7 colors: light grey, dark grey, white grey, brown, light brown, natural cement, terracotta.	
Resistance to ageing and to chemicals	Similar to unreinforced concrete. Normal salted air environment (coastal areas) does not affect the functional performances of the panels.	
Coating	Visible face — pure acrylate transparent coating. Back face — water-resisting (hydrophobic) coating.	
Coating layer thickness	50 µm	
Color stability	The panels exhibit inherent color variations and hues, which are integral to their aesthetic appeal. These natural color differences can be influenced by factors such as panel orientation, viewing angle, and exposure to light and moisture. Every panel is unique in it's look as they revealing evolving textures and tones over time of aging.	
Usable format (maximal value) length and width	Length — 2440 mm, width — 1220 mm	
Thickness tolerance	± 0.2 mm	EN 12467:2012
Width tolerance	± 1.0 mm	EN 12467:2012
Length tolerance	± 1.0 mm	EN 12467:2012
Streigthness of edges	Level I, ≤ 0.1%	EN 12467:2012
Perpendicularity (mean value)	Level I, 0,1 mm/m	EN 12467:2012
Apparent density (minimum)	1600 ±50 kg/m3	EN 12467:2012
Area density (average)		
8 mm sheet	12,8 kg/m2	EN 12467:2012
12 mm sheet	19,2 kg/m2	EN 12467:2012
Fire classification	A1	EN13501-1:2018
Fire performance	Non-combustible	BS 476 Part 4
Ignitability	P	BS 476 Part 5
Fire propagation	I = 0.2	BS 476 Part 6
Surface spread of flame	Class 1	BS 476 Part 7
MOR average both lengthwise and crosswise (wet condition)	≥ 18 Mpa	EN 12467:2012
MOR lengthwise (wet condition)	≥ 23 Mpa	EN 12467:2012
MOR crosswise (wet condition)	≥ 13 Mpa	EN 12467:2012
MOE lengthwise (EMC condition)	≥ 14000 MPa	EN 12467:2012
Moisture movement, 12mm panel, air dried - humid	Lengthwise 0,02%, crosswise 0,06%	EN 12467:2012
Heat conductivity	0.162 W/(m·K)	ASTM C 518-10
Moisture content (Maximum value on dispatch EXW)	≤ 12.0 %	EN 12467:2012
Frost resistance according to EN 12467	Comply with category A	EN 12467:2012
Heat resistance	-60 °Cand+80 °C	EN 12467:2012
Water absorbtion	≤ 25.0 %	EN 12467:2012
Water permeability	Pass	EN 12467:2012
Warm water resistance	Pass	EN 12467:2012
Heat/rain resistance	Pass	EN 12467:2012
Soak/dry resistance	Pass	EN 12467:2012