

Fibreclad[®]

Architectural cladding material

inspired by nature





Unique - Natural – Expressive - High Density Coloured through Fiber cement

Fibreclad fibre cement is a modern and authentic building material made from natural and environmentally friendly raw materials.

Installed as a ventilated facade system Fibreclad contributes to the energy efficiency of the building by deflecting heat as well as eliminating condensation through natural ventilation.

Additionally Fibreclad is deemed a non-combustible material in accordance with C1.9(e) of the National Construction Code and with properties such as high impact strength, no maintenance, durability, scratch and graffiti resistant Fibreclad panels are the ideal facade material.



Facades



Soffits



Internal Cladding

Advantages

Durability

Coloured through panels

Performance

Customisation Sizes & Colours

Perforation

Safety non-combustible

Fixing options: Coloured rivets and Hidden mechanical fixing

Cost effective: Facade 8mm panel and Interior 6mm panel

Graffiti resistant

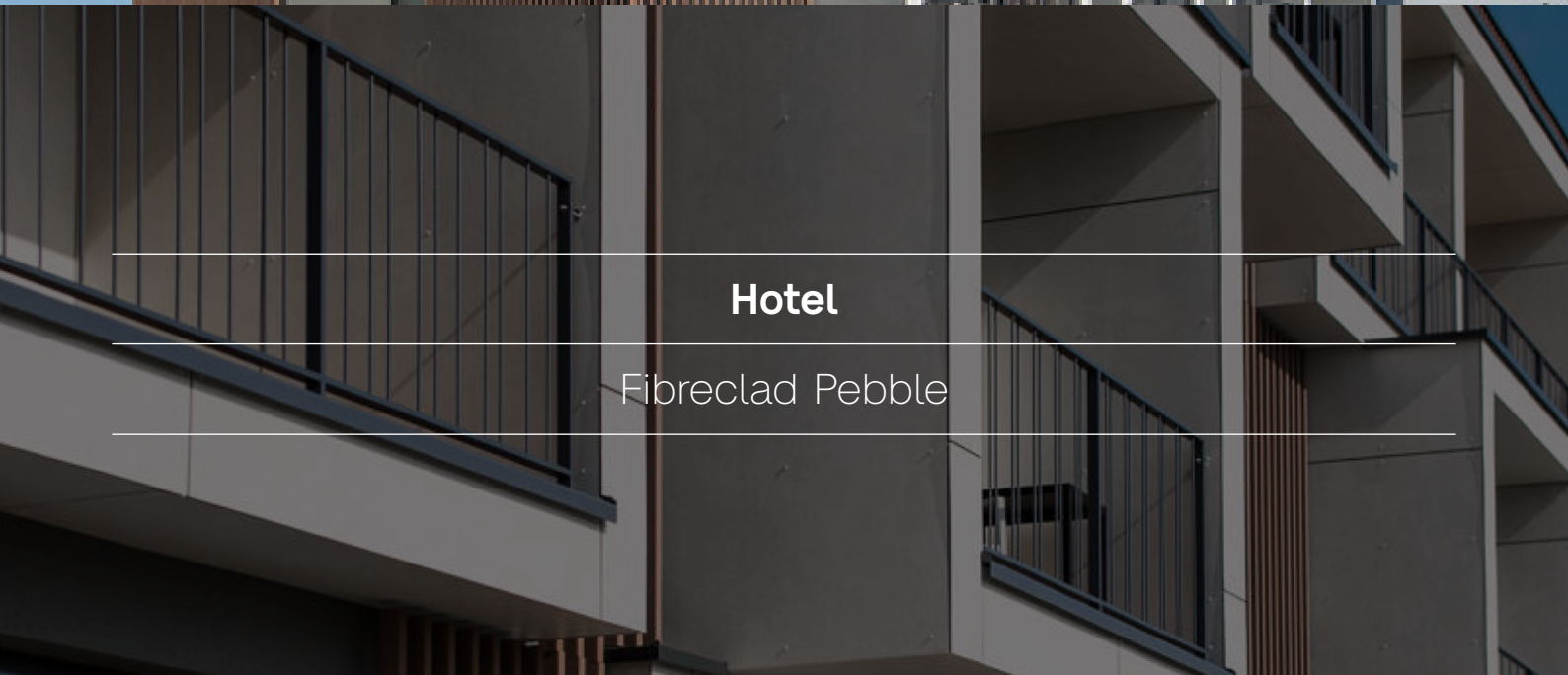
Maintenance Free

Fibre glass mesh backing for increased security

(stop pieces falling off on strong impact e.g.: tunnel lining, ground floor etc.)



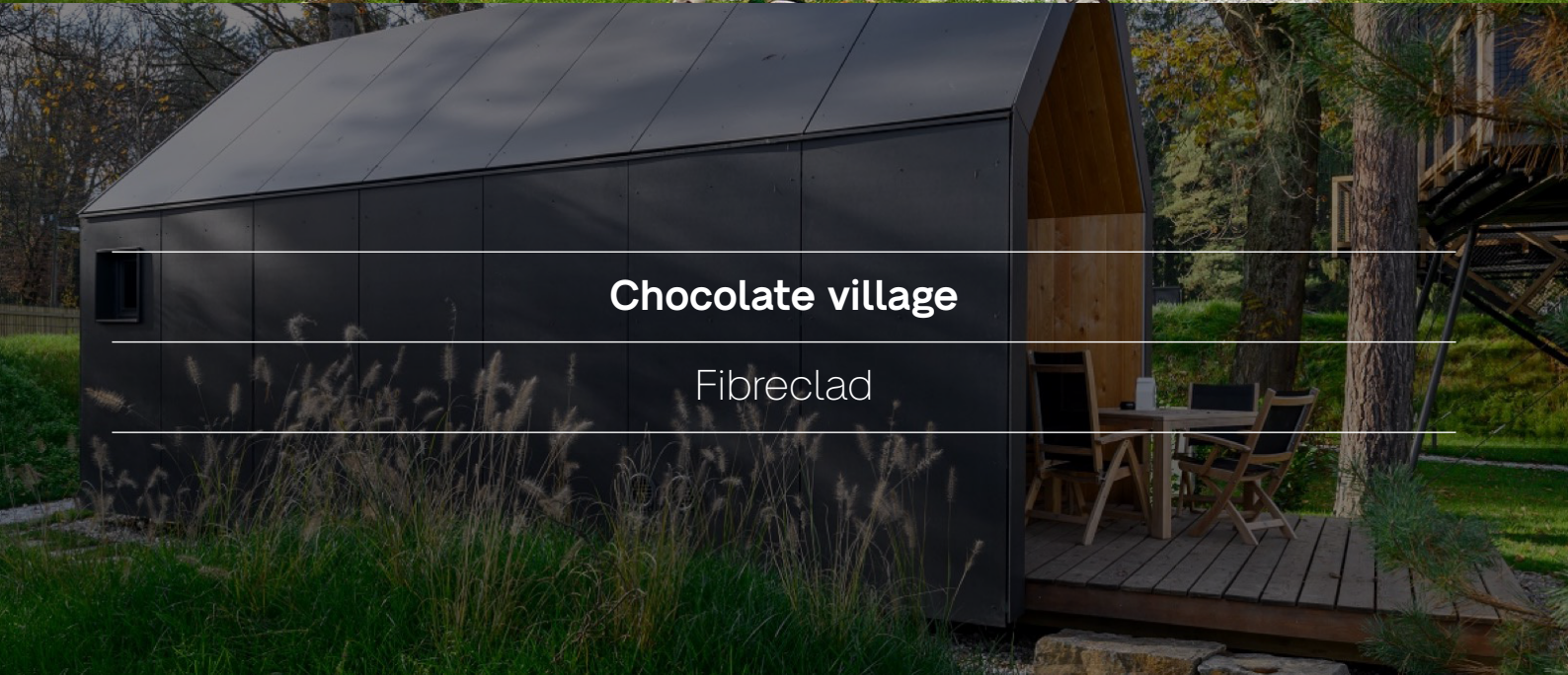
Project



Hotel

Fibreclad Pebble





Chocolate village

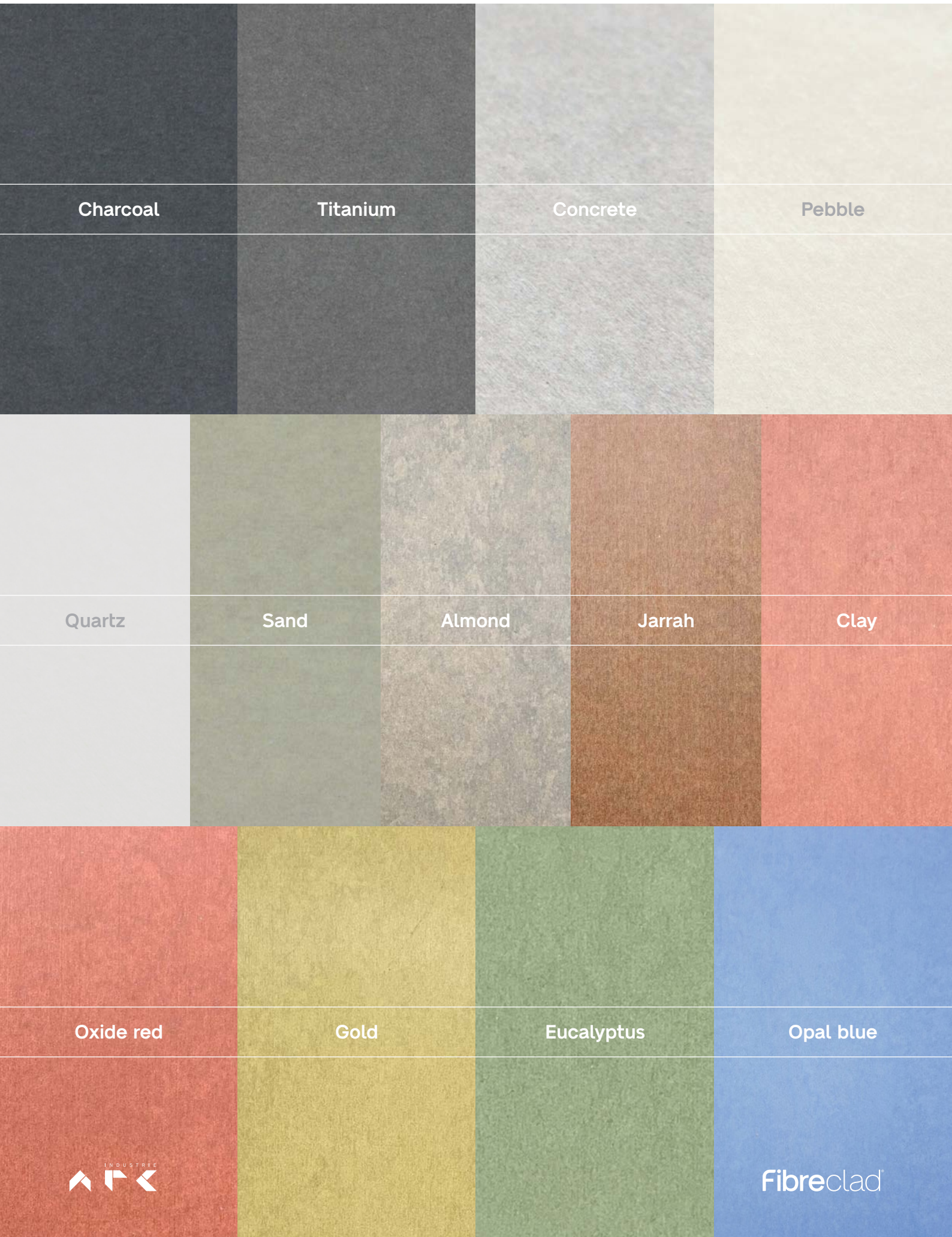
Fibreclad



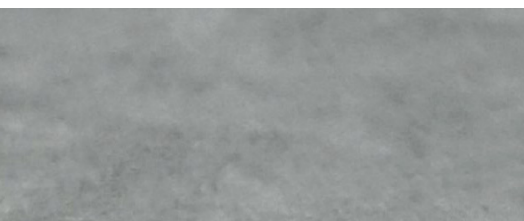




Colours



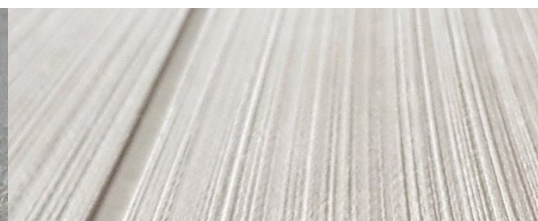
Textures + Patterns



Fibreclad



Fibreclad Linear



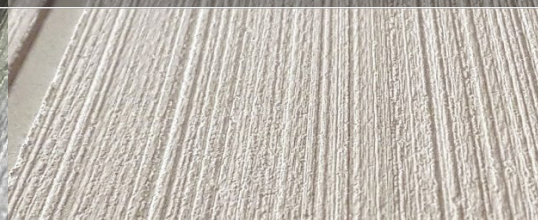
Fibreclad Stripes



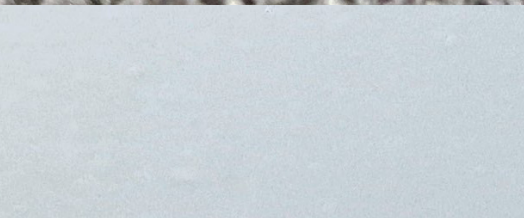
Fibreclad Raw



Fibreclad Groove



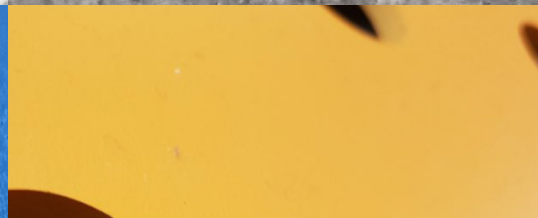
Fibreclad Stone



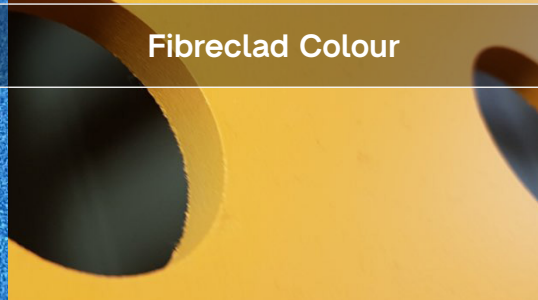
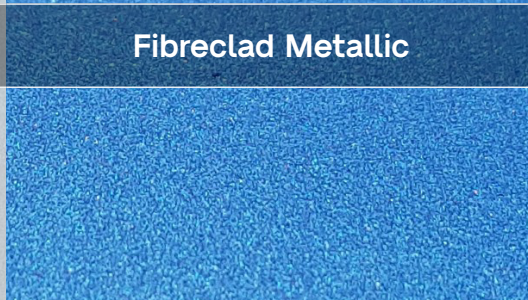
Fibreclad Gloss



Fibreclad Metallic



Fibreclad Colour

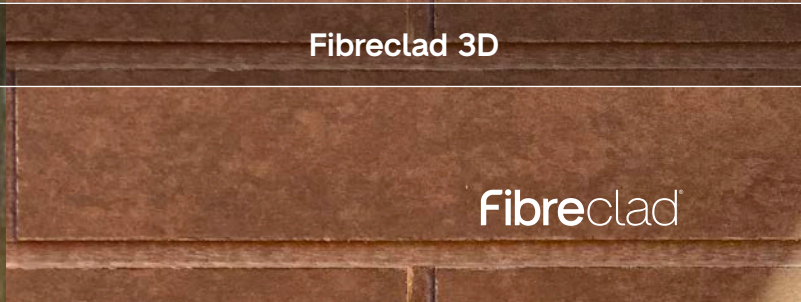
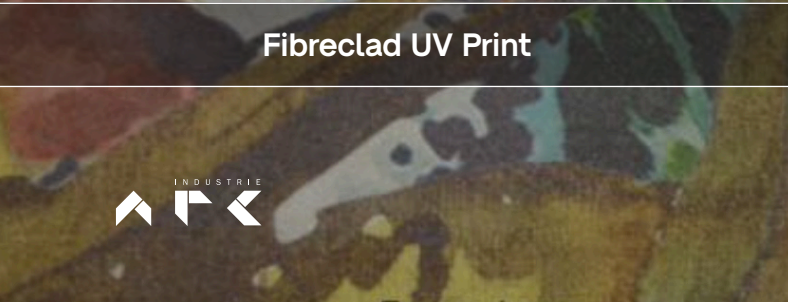


Artificial Weathering UV-B lamp UNI EN ISO 4892-3/2016
Photo of the tested sample after 1500 hours UV-B exposure

Fibreclad UV Print



Fibreclad 3D



Perforation

Maximum 20% of panel surface area removed

Maximum hole diameter 100mm

Minimum distance of 100mm from the edge and to fixings

Distance between perforation holes is double the diameter of the hole



Perforation



Technical Information

Sizes

1200mm x 2500mm — 1200 x 3000mm

Thickness mm	6	8	10	12	15	20	25	30
Weight Kg/m ²	10.3	14.4	18	21.6	27	36	45	54

Characteristics

Fibreclad

Density (dry)	≥1,6 kg/dm ³
Max water absorption(*) - untreated sheets	≤ 25%
Max water absorption(*) - hydrophobic sheets	≤ 9%
Max water absorption(*) - UV treated sheets	≤ 3%
Natural humidity	10 ÷ 15%
Movement in extreme weather conditions/temperature and moisture conditions -5°C + 100°C; 20 + 90%	1,5 mm/m
Thermal conductivity	0,36 W/mK
Thermal expansion coefficient	0,00001 °C ⁻¹
Fire rating	class A2 - s1, d0
Freeze resistance	optimum
Oils, acids, bases, salts resistance	good
Waterproof - inalterability	absolute
Wear resistance	good
Bending strength (wet)	≥24 N/mm ²
Bending strength (dry):	
- perpendicular rupture to fibres	32 N/mm ²
- parallel rupture to fibres	22 N/mm ²
Standard sizes mm	2500 x 1200 & 3000 x 1200
Tolerances on nominal dimensions	Level 1 (±2 mm length / ±1 mm width)
Tolerances on straightness of edge	Level 1 (0,1%)
Tolerances on squareness of edges	Level 1 (2mm/m)
Tolerances on thickness for smooth sheets	±0,2 mm
Compression resistance	40 N/mm ²
Resilience	2 Nmm/mm ²
E modulus of elasticity (dry)	13.000 N/mm ²
Superior caloric power	0,14 MJ/kg
Vapour resistance factor	45
Durability classification (EN 12467:2012)	category A
Strength classification (EN 12467:2012)	class 5
CE marked prout	EN 12467:2012

*wet over dry



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