

EVEREST COLOUR PLUS (CP)

COLOURED THROUGHOUT FIBRE CEMENT BOARDS

TECHNICAL DATA SHEET

CHARACTERISTIC	VALUE
Density (dry)	≥ 1600 Kg/m ³
Max water absorption (wet over dry) – untreated sheets	≤ 25%
Max water absorption (wet over dry) – hydrophobic sheets	≤ 9%
Max water absorption (wet over dry) – acrylic treated sheets	≤ 3%
Natural humidity	10-15%
Moisture movement (relativity humidity from 30% to 90%)	Longitudinal 0.7 mm/m Transversal 0.8 mm/m
Thermal conductivity	0,42 W/ m ² K)
Thermal expansion coefficient (EN 10545-8:2014)	Longitudinal 1.71 10 ⁻⁶ /°C Transversal 0.58 10 ⁻⁶ /°C
Fire rating (EN 13501-1)	Class A2-s1, d0
Temperature range	Max 150 °C
Thermal range	-40 °C to +80 °C
Freeze resistance (test freeze-thaw EN 12467:2012)	> 100 cycles
Oils, acids, bases, salts resistance	Good
Waterproof - inalterability	Absolute
Wear resistance	Good
Durability classification (EN 12467:2012)	Category A
Strength classification (EN 12467:2012) (wet) untreated sheets	Class 4 ≥ 18 MPa
Strength classification (EN 12467:2012) (wet) acrylic treated sheets	Class 5 ≥ 124 MPa
Bending Strength (dry) - Longitudinal	32 MPa
Bending Strength (dry) - Transversal	22 MPa
Standard sizes (mm)	2500x1200 – 2500x1250 3000x1200 – 3000x1250
Standard Thickness (mm)	8mm & 12mm
Standard Weight of 8mm Panel (per m ²)	Ca. 15 kg/m ²

CHARACTERISTIC	VALUE
Tolerances on nominal dimensions	Level 1 \pm 2mm length \pm 1mm width
Tolerances on straightness of edges	Level 1 - 0.1%
Tolerances on squareness of edges	Level 1 - 2mm/m
Tolerances on thickness for smooth sheets	\pm 0.2mm
Compression resistance	40 MPa
Impact strength (charpy test) EN 179-1/ 1eU	Longitudinal 4.3 KJ/m ² Transversal 3.1 KJ/m ²
Modulus of elasticity - longitudinal dry	14 GPa
Modulus of elasticity - transversal dry	12 GPa
Modulus of elasticity - longitudinal wet	11 GPa
Modulus of elasticity - transversal wet	9 GPa
Superior calorific power	0.14 MJ/kg
Vapour resistance factor μ EN 12572:2016	320
CE marked product	EN 12467:2016