

Cemval Matrix Data Sheet



The non-uniformity of the color and the presence of imperfections are considered a peculiarity of this product.

Cemval Matrix is classified as Class 4, Category A, Level 1 (EN 12467 standards)

Characteristics	Cemval Matrix Super Panel
Specific gravity when dry	approx. 1.6kg/dm ³
Max water absorption(*)	25%
Natural humidity	10 - 15%
Movement in extreme weather conditions Temperature: -5°C to +100°C Moisture: 20 to 90%	2,5 mm/m
Thermal conductivity	0,36 W/mK
Thermal expansion coefficient	0,00001 °C ⁻¹
Combustibility class	A2 - s1, d0
Frost resistance	optimum
Oils, acids, bases, salts resistance	good
Impermeability	good
Wear resistance	good
Bending resistance (ambient conditions):	
- perpendicular rupture to fibres	25 N/mm ²
- parallel rupture to fibres	16,5 N/mm ²
Compression resistance	40 N/mm ²
Resilience	2 Nmm/mm ²
E modulus of elasticity (ambient conditions)	8500 MN/m ²
Endurance class (EN 12467)	category A
Resistance class (EN 12467)	class 4

* sheets not treated and after 24-hour submersion in water

Standard production sizes

1200mm x 2500mm

1200mm x 3050mm

Tolerances are usually +/- 4 mm (length and width) and +/- 10% (thickness), rectangularity measured on a 500 mm leg max 2 mm.