

# Technical Data

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## Physical Properties

### Testing Facilities

MATERIAL	ORGANIZATION	CERTIFICATION	CERTIFICATE NUMBER
Silbonit	CSI	Conformity of Technical Features to EN 12467:2004 Standard	CE Certification N° CPD/897/06
	Giordano Istitut	Conformity to UNI EN 12467:2002 norms	N° 17272 N° 189373 N° 172269 N° 172559 N° 173373

### Physical Properties\*\*

Specific gravity when dry	≥1,6 kg/dm <sup>3</sup>
Max water absorption(*)	25%
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 <sup>-1</sup>
Combustibility	Class: A2 - s1, d0
Freeze resistance	Optimum
Oils, acids, bases, salts resistance	Good
Impermeability	Absolute
Wear resistance	Good
Bending resistance (ambient conditions):	
Perpendicular rupture to fibers	32 N/mm <sup>2</sup>
Parallel rupture to fibers	22 N/mm <sup>2</sup>
Compression resistance	40 N/mm <sup>2</sup>
Resilience	2 Nmm/mm <sup>2</sup>
E modulus of elasticity (ambient conditions)	12.000 N/mm <sup>2</sup>
Endurance class (EN 12467)	Category A

\*\*Sheets not graffiti treated and after a 24-hour bath in water  
The Sheets are Classified as Follows Class 4 - Category A - Level 1 (EN 12467 Standards)