

Technical Data

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Characteristic	Silbonit
Specific gravity when dry	$\geq 1.6 \text{ kg / dm}^3$
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 ⁻¹
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 ²
Parallel rupture to fibers	22 N/mm ²
Compression resistance	40 N/mm ²
Resilience	2 Nmm/mm ²
E modulus of elasticity (ambient conditions)	12.000 N/mm ²
Endurance class (EN 12467)	Category A

**Sheets not treated and after a 24-hour bath in water

The sheets are classified as follows class 4 – category A – level 1 (EN 12467 standards)