

TECHNICAL INFORMATION

Characteristics	Units	Description value	Ref. standard	Notes
Nature		Adaxite		
Lenght	mm	2000-4000		
Width	mm	100		
Thickness	mm	30		
Colors		Non-water-soluble-pigments		Sienna Red (LSM01) - Sand (LSY01) - Green (LSV01) - Anthracite (LSG01) - Ice (LS)
Reinforcement	mm	2 x 2.25		
Weight/Unit of area	kg/m ²	70		
Compression strenght	Mpa	53	UNI EN 14617:2005	
Flexural strenght	Mpa	10,2	UNI EN 1339:2005	Peak load = 1,6 kn
Abrasion resistance	mm	18	UNI EN 1339:2005	
Wear strenght	mm	3,66	RD 16.11.32 N°2232	
Maximum concentrated load with fixed hinged continuous support	kN	2,5	D.M 14.01.2008	Screwed installation on 50 cm support span
Maximum distributed load with fixed hinged continuous support	KN/m ²	84	D.M 14.01.2008	Screwed installation on 50 cm support span
Maximum concentrated load with beam/metallic fixed joists	kN	3,6	D.M 14.01.2008	Structural adhesive installation on 50 cm joist span (min. adhesive support lenght 10 cm)
Maximum distributed load with beam/metallic fixed joists	KN/m ²	108	D.M 14.01.2008	Structural adhesive installation on 50 cm joist span (min. adhesive support lenght 10 cm)
Slip resistance	Class	R10 (from 27.4 C° inclination degree)	DIN 51130:2004	Parallel
Slip resistance	Class	R11 (from 27.4 C° inclination degree)	D.M 14.01.2008	Perpendicular
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Slip resistance	Class	R12 (from 27.4 C° inclination degree)	D.M 14.01.2008	Perpendicular
Wet slip resistance	μ	0.53	D.M.236 - 89 Rif.B.C.R.	Parallel
Dry slip resistance	μ	0.57	D.M.236 - 89 Rif.B.C.R.	Parallel
Wet slip resistance	μ	0.61	D.M.236 - 89 Rif.B.C.R.	Perpendicular
Dry slip resistance	μ	0.70	D.M.236 - 89 Rif.B.C.R.	Perpendicular
Wet determination static coefficient friction	μ	0.76	ASTM C 1028-07	Perpendicular
Dry determination static coefficient friction	μ	0.79	ASTM C 1028-07	Perpendicular
Slip resistance		C (from 27.4 C° inclination degree)	DIN 51097:1992	Parallel
Slip resistance		C (from 30.7 C° inclination degree)	DIN 51097:1992	Parallel
Slip resistance		C (from 32.8 C° inclination degree)	DIN 51097:1992	Perpendicular
Slip resistance		C (from 33.3 C° inclination degree)	DIN 51097:1992	Perpendicular
Termal shock resistance	%	0.03	UNI EN 14066:2004	Parallel to the grooves
Water absorption	%	1,5	UNI EN 1339:2005	Weight changes
Proof or frost and thaw		No alteration	UNI EN 12371:210	