



TECHNICAL SPECIFICATIONS OF ARTSTONE POYLMER BASED CONCRETE APPEARANCE AND TEXTURED WALL, CEILING AND FACADE COATINGS



Thickness	Tolerance -0.6 mm +0.9 mm	TS EN 12467
Length and Width	Level 1 ± 3 mm	TS EN 12467
Deviation of the Edges from Direction	0.1%	TS EN 12467 Must be between 0.1-0.3%
Deviation from Perpendicularity	0.6 mm/m	TS EN 12467 <2 mm/m
Unit Volume Weight	0.96 gr/cm ³	TS 7279 max.1.75 gr/cm ³
Density	0.99 gr/cm ³	TS EN ISO 1183-1 max.1.75 gr/cm ³
Water absorption percentage	1.4%	TS EN ISO 62 <0.3%
Water Vapor Diffusion Resistance Factor-μ	1418	ASTM E96 > 1050 gr/m ² /24 hours
Water Permeability	No water droplets on lower faces	TS EN 12467 Impermeable
Hot Water Effect	Modulus of Rupture Ratio R _L = 0.98	TS EN 12467 R _L > 0.75
Wetting-Drying Effect	Modulus of Rupture Ratio R _L = 0.99	TS EN 12467 R _L > 0.75
Thermal expansion coefficient	11.4 x 10 ⁻⁶	CRD C 39-81 30 x 10 ⁻⁶
Temperature Resistance Limit	500°C no deterioration	ASTM E1069 max. 800°C
Determination of Heat Conductivity Coefficient	0.56 W/mK	TS ISO 8302 0,31 W/mK
Barcol Hardness	96	TS EN 59 > 44
Impact Strength-Ball Method	No cracks occurred.	DIN ISO 4586 T12 No cracks occurred
Impact Strength Test with Charpy Instrument	Impact face Front Face 17,2 kJ/m ² Impact face Thickness 15,3 kJ/m ²	TSEN ISO 179-1
Sound Insulation	39 dB	TS EN ISO 140-3 II.Bölge Ses şiddet minimum değerlerini sağlarken, sağlık yapıları, konut ve eğitim yapıları
Breaking Force and Breaking Length	17,7 N/mm ² and 3.2%	DIN 53504 > 40 N/mm ² and 2-3%
Bending Strength and Bending (Flexure) Coefficient	31.2 N/mm ² 538 N/mm ²	TS EN 12467 It meets the requirement of being 70% more than the standard values.
Freeze-Thaw Effect	Modulus of Rupture Ratio R _L = 0.97	TSEN 12467 R _L > 0,75
Heating-Rain Effect	No cracks, delamination, warpage and deflection or other defects were observed.	TS EN 12467 Conforming.
Fire class	-	TS EN 13501-1 B s3 d1