

CERAMOR FACADE

Liquid ceramic coating for thermal insulation applications. Especially for walls and buildings.

Packaging	The tight sealed plastic bucket
Packaging volume	20 liters
Color	White (Similar to RAL 9003)
Formula base	Water-based styrene acrylic dispersion
VOC (volatile organic compounds)	3.0 [g/Lit] (Test Method DMS 0033: 2016)
	13.0 [g/Lit] Green Building Council
Weight	0.56 [kg/Lit] (±3%)
Elongation	Above 50% (ASTM412)
Hardness	55 - Shore "A"/15:64 (ISO868:2003)
Density	290 kg/m ³ (ASTM D 1622-98)
Elasticity of the coated film (Band Test)	5.0 (DSTU ISO 1519)
Thermal conductivity * See our published paper	Tested: 0.035 [W/mK] (ASTM C 518-10)
	Equivalent*: 0.00037 - 0.0012 [W/mK]
R Value equivalent * See our published paper	0.5 mm equiv. to R.3 (130mm of glass-wool)
	1.0 mm equiv. to R.4 (200mm of glass-wool)
Solar reflective index	104.85% (ASTM E 1980:11)
Vapour permeability	1,9 ± 0,3 (EN 12086:2013-07)
Pull of strength (adhesion) concrete	1.09 [N/mm] (DSTU ISO 4624)
Pull of strength (adhesion) steel	0.81 [N/mm] (DSTU ISO 4624)
Pull of strength (adhesion) brick	1.33 [N/mm] (DSTU ISO 4624)
Combustibility	Non-Flammable EU - PN-EN 13823, ISO 11925 - (B-s1, d-0)
Application temperature	+7°C to +60°C (for higher temp's use priming)*
Operating temperatures	From -40°C to +100°C (Peak @+120°C for not more than 1 hour)
Drying time at + 20°C in humidity ≤80%	60 min to touch
Storage and transportation temperature	+5°C to +45°C
Resistance to temperatures -40°C to +100°C	No changes after full cure
Application method	Airless sprayer, brush, roller
Abrasion resistance	High
Shelf-life of the material in pail	Up to 24 months from the DOM
Product service life	Thermal properties >10 years. Physical properties >20 years.
Protecting surface from corrosion formation	500 hours ASTM B117-02 equal to 10 years' life expectancy
Top coating	Water based solutions - Please contact supplier
Theoretical coverage (add waste and over-spray about 5-10%)	0.5mm DFT thickness = 0.7Lit/m ²
	1.0mm DFT thickness = 1.4Lit/m ²
Recommended thickness per layer	0.5 - 1.0mm DFT
	0.7 - 1.4mm WFT