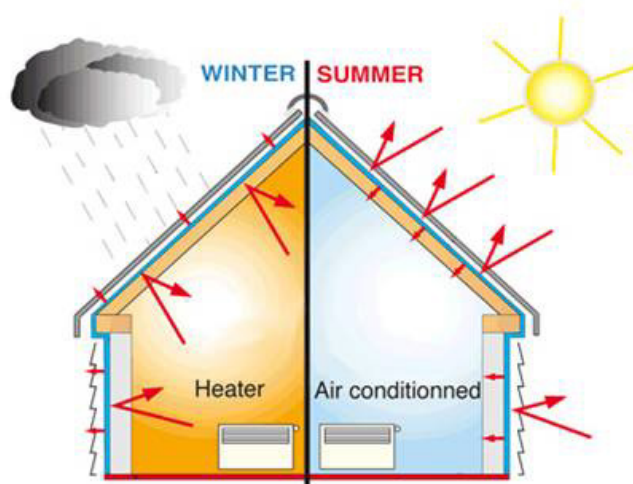




Thermal-SHADE

REFLECTIVE WATERPROOFING ROOF COATING WITH LOW THERMAL CONDUCTIVITY

Product Description Waterproofing coating for Roofs, terraces and vertical surfaces with thermal insulation properties. Certified for its low thermal conductivity and high reflectance. Thermal-SHADE Elastomeric Roof Paint offers complete waterproofing, conserves energy by reflecting thermal insulation, “blocking” thermal transfer and reducing water permeability of exterior surfaces.



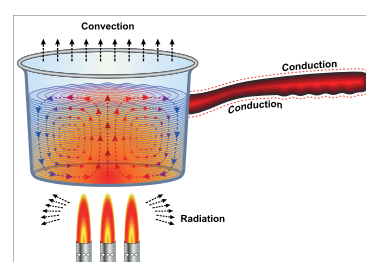
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Fields of application Thermal-SHADE® can be applied to roofs and vertical exterior surfaces, contributing to energy saving.



Properties / Advantages

- ✎ Blocks Heat
- ✎ Conserves energy
- ✎ Reflects 94,8% of IR radiation
- ✎ Creates a watertight film
- ✎ Exceptional elasticity and substrate adhesion
- ✎ Excellent gap bridging
- ✎ Excellent opacity and coverage
- ✎ Excellent durability to UV & Extended lifetime
- ✎ Excellent alkali resistance
- ✎ Excellent color stability and chalk resistance
- ✎ Excellent resistance to mildew
- ✎ Low VOC, water based paint
- ✎ Easy surface application



Technical Characteristics

Appearance	Viscous liquid	
pH (ISO 1148, DIN 53785)	8-9	
Density	1,02 ± 0,03kg/l	
Consumption	500-700ml/m ² in two layers	
Touch dry	2-3 hours at +25°C	
Dry to recoat	24 hours at +25°C	
Dilution	Up to 5% with water	
Thermal Conductivity (λ) - (EN 12664:2004)	0,11 W/mK	
Solar Reflectance (SR%)	95%	(400-750 nm) *
Total Solar Reflectance (SR%)	91	(300-2400 nm) *
Solar Reflectance Index SRI *	111	
Infrared Emittance coefficient (ε) *	0.91	

* ASTM E 903-96, ASTM G159-98, ASTM E408-71

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Instructions for use

Surface preparation: The substrate should be clean, dry and free from dust, oil, grease, or any poorly adhering material. On a surface without existing waterproofing coating, apply one layer of PoreKote Nano Primer® diluted with water (1:3).

Application: Apply two or three layers of Thermal-SHADE® using a brush or a roller, diluting with water (5%). In order to obtain proper thermal insulation, follow the above recommended coverage per m².

Notes

- ☞ Thermal-SHADE® should not be applied under wet conditions or if wet conditions are expected to prevail during the curing period of the product.
- ☞ The product should not be applied at temperatures < +5°C.
Application conditions: surface relative humidity <6%, air relative humidity <70%
- ☞ Total hardening of the film occurs after 2 weeks.

Packing	20L Plastic Pails
Color	White
Cleaning of tools	Use plenty of water immediately after application.
Stain removal	Use water when the stain is still fresh and damp. In case of hardened stains, use mechanical means or a paint remover.
Storage stability	The product is stable for 2 years when kept unopened in its original container, protected from frost and direct sunlight.