

TECHNICAL DATA SHEETS

PERMOGLAZE HEAT GUARD

DESCRIPTION	<p>PERMOGLAZE Heat Guard is a premium quality UV-resistant water-based acrylic roof coating, with infrared reflective technology with a Solar Reflectance of 85%.</p> <p>PERMOGLAZE Heat Guard is an extremely durable and weather resistant coating, which can be applied on concrete, facades, galvanised iron roofs, roof tiles and bricks. It contains special additives, that prevent the growth of micro-organisms.</p>	
CHARACTERISTICS	<ul style="list-style-type: none"> • Cooler roof surfaces (High solar reflectance and high infrared emittance on the film) • Very efficient energy and cost savings, by reducing the need for cooling • Excellent UV and weathering resistance • Salt resistant; therefore, suitable for all regions including coastal region • Single pack and easy to apply • Elastic nature • Extremely durable • Rapid drying time 	
COMPOSITION	<p>An emulsion-based paint, formulated with a high durability acrylic resin and incorporating the highest quality pigments, specially selected for their performance.</p>	
SURFACE PREPARATION	<ul style="list-style-type: none"> • Surfaces must be dry and moisture content of surface should not be more than 10 %, when measured with a moisture meter. • Surfaces must be free of dirt, dust, grease, oil and loose paint. • If surface is absorbent or porous, dilute the first coat of PERMOGLAZE Heat Guard with 10% water for better penetration; subsequent coats can be applied without dilution. • For non-porous surfaces, such as galvanised iron, apply 1 coat of PERMOGLAZE Waterbased Metal Primer. • Surfaces infected by mould or algae growth must be treated with PERMOGLAZE Biocidal Wall Wash, followed by PERMOGLAZE Fungicidal Treatment. • Leave to dry before applying PERMOGLAZE Heat Guard. • 3 coats are recommended for good performance of the paint. 	
APPLICATION	Method	Brush, Roller, Airless Spray
	Diluent	Water
	Dilution	Brush - No dilution Roller - No dilution Airless Spray – 10% dilution
	Cleaning	Water

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PRODUCT INFORMATION	Finish	Smooth
	Shade	White
	Total Solar Reflectance	85.0% as per ASTM E903
	Infrared Emittance	0.88 as per ASTM E408
	Solar Refractive Index	109 as per ASTM E1980
	Volume Solids	55% - 60%
	Spreading Rate	7-9 m ² /litre/coat depending on surface porosity, ambient conditions, and application mode
	DFT	Dry film thickness will vary between 55 to 65 µm per coat on non-absorbent and smooth substrate.
	VOC	EU Limit for this product (cat A/c): 40g/l (2010). This product contains a maximum of 3g/l VOC.
	Drying Time	Touch Dry 30 - 45 minutes at 25°C Recoating Time 3 - 4 hours at 25°C between coats
PRECAUTIONS	<ul style="list-style-type: none"> • The air temperature must not be below 10°C and not higher than 35°C. Humidity must not be below 10% and not higher than 85%. • Do not apply on wet surfaces or if there is possibility to rain within 48 hrs. • Do not overdilute PERMOGLAZE Heat Guard. 	
PACKAGING	Available in 5 & 20 litres	
STORAGE	Store in a cool, dry and well-ventilated place.	
SAFETY, HEALTH & ENVIRONMENT INFORMATION	<ul style="list-style-type: none"> • Handle with care • Ensure good ventilation during application. • In case of insufficient ventilation during painting, wear suitable respiratory equipment. • Avoid contact with skin and eyes. • If contact with skin occurs, wash well with soap and water • In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention. • Keep out of reach of children. • Do not use empty paint containers for storing foodstuffs. • Do not throw paint containers or contents in the waterways or environment. • Contains no added lead / mercury / nickel / cadmium. 	

For further information, kindly contact our Technical Information Service.

Note: This Technical Data Sheet is subject to change without prior notice.

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DISCLAIMER

This data sheet is based on extensive lab tests and field use. However, if used under unspecified conditions, the performance of the product may differ. We can only guarantee the quality of the product as supplied in its original closed container.