

TECHNICAL DATA SHEETS

PERMOGLAZE TOUGH GUARD

DESCRIPTION	Permoglaze Tough Guard is an exclusive quality decorative and protective water-based enamel product. Permoglaze Tough Guard dries to an attractive silk sheen finish and is ideal for concrete, cement plaster, PVC, wood, and metal substrates.
CHARACTERISTICS	<ul style="list-style-type: none"> • Formaldehyde Free • APEOs Free • Excellent hiding power • Silk Sheen finish • Environment Friendly, Low VOC and Low Odour • Extremely washable • Hard and Durable • Interior and Exterior
COMPOSITION	Permoglaze Tough Guard is an exclusive water-based enamel paint specially formulated with solvent free and low VOC ingredients and a high durability acrylic resin
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 calibrated moisture meter. • Surfaces must be free of dirt, dust, grease, oil and loose paint. • Surfaces infected by mould or algae growth must be treated with Permoglaze Biocidal Wall Wash, followed by Permoglaze Fungicidal Treatment. • <u><i>Bare New Concrete Surfaces</i></u> • Bare new concrete surfaces must be cleaned with water and then primed with 1 diluted coat of Permoglaze Tough Guard. • <u><i>Existing Painted Surfaces</i></u> • Ensure that adhesion is good, clean then apply 1 coat of Permoglaze Clear Emulsion Binder followed the Permoglaze Tough Guard. • <u><i>Skimmed and Porous Surfaces</i></u> • 1 coat of Permoglaze Plaster Primer must be applied on skimmed porous surfaces. • 2-3 coats of Permoglaze Tough Guard will give the maximum obliteration and required protection. • <u><i>Metal Surfaces</i></u> • Galvanised metal substrates must be properly cleaned with Permoglaze Galvanised iron cleaner. • <u><i>Ferrous Metal</i></u> • The rust to be removed by mechanical means, then the surface properly prime with an anti-corrosive primer

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Wood substrates

- As Permolglaze Tough Guard has good levelling properties, the wood must be primed with a primer with good filling and sanding properties, Ideally the ICA PU White Primer 287 or the Permolglaze Wood Primer.

PVC

- Remove all loose dust and ensure the surface is dry.

APPLICATION	Method	Brush, Sponge or Mohair Roller, Airless Spray	
	Thinning	Water	
	Dilution	Not recommended. Ready for use depending on the painter's convenience.	
	Cleaning	Water	
PRODUCT INFORMATION	Finish	Attractive Silk Sheen Finish	
	Shades	White, pastel, medium & dark	
	Volume Solids	35% - 40%	
	Spreading Rate	± 8 m ² /liter/coat depending on surface porosity, ambient conditions, colour, dilution and application mode	
	DFT	Dry film thickness will vary between 35 to 40µm per coat on non-absorbent and smooth substrate.	
	VOC	EU Limit for this product (cat A/d): 130g/l (2010). This product contains less than 35g/L VOC depending on the colour.	
	Drying Time	Touch Dry	30-45 minutes at 25°C
	Recoating time	4-6 hours at 25°C	
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 to very cold and damp surfaces. 		
PACKAGING	Available in 1, 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. 		

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- 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.

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.