

TECHNICAL DATA SHEETS

PERMOGLAZE FLEXIGUARD

DESCRIPTION

Permoglaze Flexiguard is a decorative semi-thick elastomeric water-based coating formulated with siloxane resin. It has outstanding flexibility, antifungal and weathering resistance properties and is designed for application on concrete surfaces, inclined roofs as well as exterior façade. **Permoglaze Flexiguard** has been developed to accommodate cracks from 0.2 mm up to 2 mm which may appear at a later stage within the substrate. It provides additional waterproofing characteristics.

CHARACTERISTICS

- Effective in bridging hairline cracks.
- No residual odour.
- Can be used with a reinforcing membrane for waterproofing.
- It dries to a non-tacky film.
- Easy to clean.
- Easy to apply.

The addition of siloxane resin in **Permoglaze Flexiguard** strengthens and improves some of the characteristics specific to semi-thick coatings. These include:

- An impermeable and hydrophobic film.
- High permeability to water vapor.
- Resistant to UV light giving excellent long-term durability.

COMPOSITION

Main binder: siloxane resins and acrylic copolymers in aqueous phase. Pigment: rutile titanium oxide. Loads: calcium carbonate. Coalescing agents and various additives.

SURFACE PREPARATION

- 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.
- Surfaces infected by mould or algae growth must be treated with **Permoglaze Biocidal Wall Wash**, followed by **Permoglaze Fungicidal Treatment**.

Bare New Concrete Surfaces

Bare new concrete surfaces must be cleaned with water

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and then primed with 1 diluted coat of **Permoglaze Flexiguard** for maximum opacity. Leave to dry before applying **Permoglaze Flexiguard**.

Skimmed and Porous Surfaces

- 1 coat of **Permoglaze Plaster Primer** must be applied on skimmed and porous surfaces.

Already Painted Surfaces

- Remove any damaged flaking paint, clean and allow to dry thoroughly.
- Then 1 coat of **Permoglaze Plaster Primer** must be applied.

APPLICATION	Method	Brush, Roller, Airless spray
	Thinning	Ready for use
	Cleaning	Water

“Recommended consumption to achieve I1 to I4 classifications, as per DTU 42.1 specifications, assuming correct application is followed”

Classification as per French norm DTU 42.1	Treatment	No. of Coat (s)	Quantity/m ²		Coverage	Total DFT
			l	kg	m ² /l	µm
I1	Bridge existing micro cracks less or equal to 0.2 mm. Waterproofing	1 st coat - 30% dilution	0.140	0.180	7.200	260
		2 nd coat - undiluted	0.370	0.540	2.700	
I2	Bridge micro cracks and existing cracks less or equal to 0.5mm. Waterproofing	1 st coat - 30% dilution	0.140	0.180	7.200	360
		2 nd coat - undiluted	0.278	0.400	3.600	
		3 rd coat - undiluted	0.278	0.400	3.600	
I3	Bridge existing cracks or cracks which may occur	1 st coat - 30% dilution	0.140	0.180	7.200	460
		2 nd coat - undiluted	0.370	0.540	2.700	

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	at a later stage up to 1 mm. Waterproofing	3 rd coat - undiluted	0.370	0.540	2.700	
I4	Bridge existing cracks or cracks which may occur at a later stage to up 2 mm. Waterproofing	1 st coat - 30% dilution	0.140	0.180	7.200	660
		2 nd coat - undiluted	0.510	0.744	1.960	
		Membrane				
		3 rd coat - undiluted	0.510	0.744	1.960	

Note:

- Membrane - facade waterproofing membrane (geotextile) \pm 50 microns thick.
- It is advisable to use colours which have a solar absorption factor less than 0.7 (light pastel colours). Medium and dark colours absorb solar energy and will accelerate deterioration of the coating and substrate to overheating.
- Singular points of a facade must have been treated before application of the coating system.
- All other waterproofing works should have been completed before application of **Permoglaze Flexiguard** coating system.

PRODUCT INFORMATION	Finish Shades VOC	Density Volume Solids	Drying Time	Touch Dry Recoating Time	4-6 hours at 25°C 12 hours at 25°C
	Wavy smooth texture, may have slight sheen White, Pastel and Medium EU limit value for a product (Cat A/c): 40 g / l (2010) This product contains a maximum of 30 g / l VOC.	1.45 \pm 0.1 52 - 56%			

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Hard Dry

3-4 days (under normal climatic conditions)

PRECAUTIONS

- 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%.
- Avoid applying during rainy or unfavourable weather conditions as well as in direct sunlight, gusty conditions or on hot walls.
- Cracks bigger than hairline cracks should be repaired with suitable sealant or caulking compound prior to the application of **Permoglaze Flexiguard** otherwise the product will show inferior performance.
- When used as finishing coat, **Permoglaze Flexiguard** should be applied undiluted as thinning will alter the dry film thickness, hence impacting its performance.
- **Permoglaze Flexiguard** should not be applied over non paintable crack filler and the crack filler must be dry prior to painting.
- Recommended for exterior use only.
- Where possible, it is advisable to do paneling to avoid horizontal overlapping marks.
- Always use paint from same batch number to complete one façade.
- It is advisable to apply the final coat when all dusty works on site have been completed to minimize accumulation of dust on the coating.

PACKAGING

Available in 5 & 20 litres

STORAGE

Store in a cool, dry and well-ventilated place.

SAFETY, HEALTH & ENVIRONMENT INFORMATION

- 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.

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- 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.

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.