

ARMOUR - PRIME

Solvent Free, Zero VOC Polyurethane Primer

DESCRIPTION

ARMOUR - PRIME is a specialised, high adhesion primer system designed to improve adhesion between polyurethane or polyurea coatings and substrates. **ARMOUR - PRIME** is particularly suitable when used in conjunction with Isothane Polyurea coatings. It is a solvent free, zero VOC, two-pack system. It acts as a sealer on porous substrates such as concrete and will consolidate a friable substrate such as that of asbestos cement. It acts as a barrier coat on bituminous substrates and improves adhesion to difficult substrates such as non-ferrous metals.

PREPARATION

General:

- All surfaces should be sound, clean, dry and free from oil or grease
- Remove loose material and flaking paint
- Brush and wash off soft or powdery surfaces
- Remove rust and corrosion from metals
- Abrade smooth metal, plastics and fibreglass surfaces
- Allow 28 days for new concrete to cure and before removing laitance and applying primer

Roofs:

- Remove dust, dirt and loose chippings
- Kill fungal growth with fungicide and wash off thoroughly, and dry
- Fill cracks and voids with exterior mastic

APPLICATION

Empty the contents of the iso tin into the resin tin and stir with an electric drill and suitable stirrer for 3 minutes. Please ensure to avoid entrapping any unnecessary air into the primer mixture. Paint out as thinly as possible and avoid pooling, using a squeegee, roller or brush.



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CLEANING

Tools and rollers should be cleaned with Xylene, Cellulose Thinners or similar solvents within 25 minutes of use.

STORAGE, HANDLING AND PERSONAL PROTECTION

The recommendations in our Safety Data Sheet for this product must be followed at all times. More general information is included in our publication "A Guide to the Safe Handling of Polyurethane Resins" and in the following Technical Data Sheets which are available on request:-

- Fire Safety when Storing, Handling and Installing Polyurethane Foam
- Decontamination of Isocyanates using Isothane Decontaminant

TECHNICAL DATA

	Resin	Iso	Mixed Material
SG	0.97	1.24	1.06
Viscosity @ 20°C	1400 cps	90 cps	
Mix Ratio	2	1	
Pack Size	2.5 kg in 5 litre tin	1.25 kg in 1 litre tin	3.75 kg = 3.54 litres
Pot Life @ 20°C			20 - 30 mins
Touch Dry @ 20°C			2 - 3 hrs
Touch Dry @ 12°C			3 - 4 hrs
Below 10°C			Contact Isothane

Coverage Rates: (Metal surface / smooth) 6 m² / kg 22.5 m² / pack
 (Concrete surface / porous) 4 m² / kg 15 m² / pack

Topcoat Application Time: The earliest overcoating time is when the primer system has dried but still has a slight tack, eg; at 20°C this would be after ~ 2.5 hrs. The latest overcoating time is 24 hrs after the primer application. After this it is necessary to re-apply the primer.

Shelf Life: 6 months

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