



PU 10 ELASTO COAT

Water Based Elastomeric Waterproofing Coat

Uses:

1. Waterproof and impermeable treatment for reservoirs, water towers, water tanks, swimming pools, baths, fountain pools, reservoirs, sewage treatment ponds, irrigation and drainage channels.
2. It can be used to waterproof and damp-proof basements, kitchens, bathrooms, balconies and decks, shower recesses, repair and restoration of leaking roofs as well as a damp proof membrane in sandwich panel construction.
3. Porous substrates such as fiber cement, concrete, render brickwork, cement render and plasterboard.
4. Suitable for balcony, planter boxes and retaining walls as long as it is protected by drainage.

Product Description:

1. Water based High Performance, Polyurethane hybrid UV stable water proofing membrane.
2. Eco-friendly Flexible single component liquid membrane
3. Weatherproofing & waterproofing applications for use in roofing & basement,
4. It cures to a permanently flexible seamless membrane that has good adhesion to a wide range of substrates. Unlike more traditional bitumen based products,
5. It does not brittle with age, exposure to ultra violet radiation or weathering, and hence it does not crack or craze due to it's flexible properties.
6. Since it is elastomeric it is not adversely affected by temperature, it remain flexible at low temperatures, does not flow at elevated temperatures.

Features:

1. Water based for easy clean up in water.
2. Flexible Class 3 membrane (300% + Elongation).
3. Eco-Friendly low odor for easy use without irritation.
4. Fast drying can be recoated after 3-5 hours at normal room temperature.
5. UV stable non yellowing, can be used externally.
6. It can be used both internally and externally.
7. Works well with many cement based tile adhesive
8. Excellent crack-bridging properties



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Typical Properties:

1. **Appearance:** Water based coloured paste
2. **Cure Time at 25°C:** Full cure after 5-7 days
3. **Pot Life:** Not applicable
4. **Recoating:** 3-5 hours at 20°C
5. **Density/Spec. grav.:** 1.27 +/- -0.05 kg/litre
6. **Elongation at break:** 300% + at 20°C

Application Method:

1. Remove all loose material by vigorous brushing, wire brush if necessary.
2. Treat any fungal growth which is easily be removed by our **C100 CITRIC CLEAN** product.
3. Fill cracks and voids with a **AS4001 MS Construction Sealant**.
4. As Primer, **PU10** can be diluted with 20% water (6 - 12 m² / It depending on substrate porosity)
5. Once the primer is completely dry, apply first neat coat, allow 1 hours for drying, followed with a 2nd coat at 90° right angles to the first coat.
6. Please note that air bubbles trapped under the surface must be removed in order to achieve the maximum waterproofing effect. Apply third coat if required
7. **Coverage: 0.9 m²/kg for 2 coats @ 1.2 mm thickness**
8. In case of multi-coat application, the previous coat should be touch dry depending on the weather conditions.
9. Ensuring that the surface is smooth and without any pinholes, allow 24 hours at 20°C before commencing to apply a suitable tile adhesive. Please note that a third coat may be required if any imperfections are present in the membrane.
10. It can be applied by brush or roller.

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Instructions for Use

Surface Preparation

General – Surface should be sound, clean and free of dust, oil, grease and curing compound. Loosely adhered particles such as rust scale, cement smears should be thoroughly cleaned with a wire brush.

Concrete: all new concrete surfaces must be fully cured (6-8 weeks) with a semi-rough surface.

Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the commencement of waterproofing. All surfaces must as level as possible with a slope variation not exceeding 4mm.

Gypsum / Plasterboard sheets: It must be installed to the manufacturer's guidelines with all joints being covered with a 50mm wide PP or PE tape whilst all screw/nail heads must be sealed with epoxy. When used as a wall substrate, sheet thickness should be a minimum 10 mm thick.

Fibre Cement sheets: when used as a floor/wall underlay, sheets should be a minimum 6 mm thick, whilst compressed fiber cement board should be a minimum 9 mm thick for walls, and 15mm thick for floor applications.

Metal Surfaces: ensure surfaces are rust free without any hairline cracks, it should be filled with a suitable gap filler.

Priming: All surfaces to be primed with the same product, **PU10** can be diluted with 20% water as Primer. Whilst metal surfaces need to be primed with a suitable water based primer.

The primer can be applied with a brush, roller or squeegee depending on the size of the area required to be primed. Allow 10–30 minutes at a temperature of 20 °C for the primer to dry before commencing to waterproof with **PU10**

Cleaning: All tools should be cleaned with water immediately after use.

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Supplementary Notes

The dry film thickness (DFT) of PUI0 should not be less than 0.55mm or more than 1.0mm for each coat. Rough surfaces will reduce the coverage rate.

Surfaces previously treated with silicone-based materials will inevitably be difficult to overcoat and this should not be attempted with PU10

Substrates with poor adhesion to the underlying structure (e.g. blistered roofing felt) may also cause problems in providing sound over-coating.

Coverage rates may vary with surface and porosity. The information given is based on average usage.

It works best when it is applied when the temperature is between 5°C and 40°C .

Health, Safety and Handling

Avoid prolonged contact with skin. To avoid accidental contact with eyes please wear protective cloths, goggles, gloves, safety shoes etc if accidental contact with eyes does occur, immediately flush with water and seek medical advice.

Storage/Shelf Life

When stored in a cool, dry place the contents of the original unopened container can typically be used approximately twelve (12) months from the date of manufacture.

Packing: 20 kg pails

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