

# Oxiproof P

Liquid applied waterproofing and protective coating

## Description

Oxiproof P is a liquid applied waterproofing and protective coating for concrete structures based on a hybrid polyurethane. The polyurethane is modified with specially selected polymers to form a tough, flexible and durable coating. It is completely free from coal tar and other hazardous ingredients.

## Advantages

- Forms a highly elastomeric, tough and resilient membrane
- Environmentally friendly
- Low VOC
- Single component
- Good tensile strength & elongation
- Excellent crack bridging properties
- Excellent UV resistance, weatherability & colour retention properties
- Excellent resistance to water and vapour.
- High resistance against chlorides, sulphates, bacteria, oil and common fuels.

## Uses

- Waterproofing of wet areas like bathrooms, toilets, public showers & kitchens.
- Waterproofing of roofs, terraces, balconies, domes aluminium sandwich panels and corrugated sheets.
- Protective and decorative coating on exposed concrete surfaces (both vertically and horizontally).

## Application instruction

### Surface Preparation

All the surfaces must be cleaned and made free of dust, dirt, moss, oil, grease and other loose particles. This can be achieved by grit/sand/shot blasting. As a minimum, vigorous wire brushing should be employed. All pin holes and surface defects shall be repaired with a suitable AL Majara concrete repair mortar.

## Technical properties

Properties	Values	Test standards
Colour	Grey/white/Black	
Form	Viscous liquid	
Density, [g/cc]	1.25±0.05	ASTM D 1475
Solid content, [%]	60±3	ASTM D 1644
VOC, [g/l]	<20	USEPA method 24
Tensile strength, [N/mm <sup>2</sup> ]	>2	ASTM D 412
Hydrostatic pressure @ 5bar [50m]	No leakage	BS EB 12390
Solar reflective index [SR] [White]	>80	ASTM E 1980
Solar reflectance	>75	EN410
Re-coat interval, [hours]	6	
Full cure, [days]	7	
Service Temperature, [°C]	-10 to 70	

*All values given are subject to 5-10% tolerance*

### Priming

Oxiproof P does not require priming and can directly be applied onto the concrete surface. In case of highly porous surface, a priming coat is recommended to seal the pores and stabilize the surface. The primer coat can be produced on site by diluting Oxiproof P 1 to 1 with water. Apply the primer coat @ 5m<sup>2</sup>/L and allow to dry.

### Mixing

Oxiproof P is a single component product but mix the contents of the pail thoroughly prior to application to avoid any settlement. A slow speed drill and suitable paddle mixer shall be used to avoid the formation of air bubbles.

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## Application

The coating can be applied with a brush, roller or airless spray and shall be applied in a minimum of 2 coats. The 1st coat shall be allowed to dry completely before the 2nd coat is applied. The 2nd coat shall be applied cross wise to the first coat. The coating will achieve its full strength after a curing period of 7 days.

## Coverage

2 m<sup>2</sup>/L when applied at 500 microns per coat

## Cleaning and Disposal

Clean all the tools with water after use. Hardened materials can be removed mechanically only. Allow the waste to cure. Seal it into a suitable container and bury in landfill. Use licensed waste disposal contractor and consult the local authorities when disposing.

## Storage & shelf life

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air-conditioned environment (<25°C). The shelf life is up to 12 months in unopened conditions if stored as per the recommendations.

## Health and safety

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

## Supply

Oxiproof P : 20L pail/20 Kg

## Information

Al Majara Polychem Ind LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable care it's taken compiling this technical data sheet, all recommendations regarding the use of product are made without guarantee since the conditions used are beyond the company' direct control. It is the customer responsibility to satisfy themselves that each product is fit for the purpose for which they indent to use it.

## Quality Matters

All products originating from Al Majara Polychem Ind. LLC are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9000, ISO 14001 and OHSAS 18001.

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