

OXIPROOF AR

Elastomeric Acrylic Waterproofing & Protective Coating

Description

Oxiproof AR is a single component, elastomeric, acrylic waterproofing and protective coating. Oxiproof AR upon curing forms a tough, flexible and durable coating which is resistant to UV and other weathering agents. Oxiproof AR is also used to protect exposed concrete structures against carbonation and chloride ion diffusion.

Advantage

- Single component easy to apply.
- Protects exposed concrete structures against carbonation and ingress of atmospheric gases and salts.
- Excellent UV resistance.
- Elastomeric- high crack bridging capability.
- Excellent adhesion to most of the substrates.
- Good resistance to dilute acids, alcohol, hydrocarbons, chloride and sulphate ions.

Uses

- Used as waterproofing and protective coating for the following structures:
- Sloped concrete roofs, metal profile roofs & asbestos roofs
- Anti carbonation coating in car park decks
- Protective coating on underpasses & concrete bridge decks
- Used as waterproofing coating in Wet area
- Protective coating on polyurethane foam insulation

Technical Properties

Color	White/Grey
Solid Content, [%]	55±2
Tensile strength, [N/mm ²]	> 1 ASTM D 638
Elongation @break, [%]	> 300 ASTM D 638
Hydrostatic water Pressure	Nil @5 bar BS EN 12390
Toxicity	Non-Toxic BS 6920
UV Resistance @ 100 hrs.	Passes ASTM G 53
Crack bridging ability, [mm]	> 0.5 ASTM C 836
Application temp, [°C]	10 to 50
Service temp, [°C]	-5 to 90

Note: All values given are subject to 5-10% tolerance

Application Instruction

Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the coating is as follows:

Surface Preparation

Concrete Surface:

Clean the surfaces which shall receive the coating of all dust, dirt, moss, oil and grease, loose particles, cement laitance and all other deleterious materials which will affect the adhesion of the coating with the substrate. Cracks and potholes shall be repaired with concrete repair mortar from the Oxirock range.

Metal surface

Clean the surface of all rust scales. This can be achieved by wire brushing or grit blasting.

Priming

Oxiproof AR shall be diluted with 20% water and applied as primer coat on the concrete surface to seal the pores and stabilize the surface. The primer also functions as an adhesion promoter for the top coats. This primer coat can be applied by a brush, roller or airless spray and allowed to dry completely before the application of acrylic coating.

Application

Mix the contents of the drum prior to the application to remove any sediment. Oxiproof AR can be applied by soft bristled brush, roller or an airless spray. When applying by airless spray then dilute the coating with approximately 5% water to reduce the viscosity of the coating. Apply the first coat of undiluted material at a coverage rate of 1 lt./m²/coat to get a Dry Film thickness of 0.50 mm. It is important to ensure that each coat has to be cured totally before applying the next coat. The second coat should be applied at right angle to the first at the same coverage rate, to ensure a full unbroken coating to the substrate. For improved strength and flexibility, embed a 65 g/m² non woven geo-textile membrane whilst the first coat is still wet on all corner joints, fillets and pipe penetration joints. Allow the coating to cure fully for 72 hours to achieve its full properties.

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OXIPROOF AR

Coverage

1 lt /m²/ coat for 0.5mm Dry Film Thickness. Two coats will give a combined thickness of 1 .0mm thickness.

Cleaning

Clean all the tools with water after use. Hardened materials can be removed mechanically only.

Packing

Oxiproof AR 20 ltr pail

Storage & Shelf Life

The pails and drums must be stored in a covered area, away from direct sunlight, UV and other sources of heat.

The shelf life of the product is up to 12 months if stored as per recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

Health & 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 immediately with fresh water should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Information

Al majara polychem industries 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 are use the 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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