

Hydraroflex

High performance elastomeric acrylic polymer modified liquid waterproofing membrane

Innovative products for your success

Description

Hydraroflex is based on high performance modified elastomeric acrylic polymers thus providing prolonged durability and excellent weather resistance and its latex properties completely resists ozonolysis and other oxidative degradation. Colors incorporated are oxide pigments, thereby fully resistant to ultra violet light with no deterioration especially in tropical conditions.

Hydraroflex provides long-term protection on all type of surfaces. A product of many years time tested in field uses. Its total weather resistance - to sun, rain, wind or frost makes it equally effective on most building surfaces. Its unique feature micro-porosity which keeps water tight but allows water vapour thru and forms breathable membrane on most concrete surfaces and allows structures to dry fast naturally after application.

Uses

Hydraroflex is suitable for all round waterproofing and weatherproofing membrane for old or new roofs, gutters and structures to most construction materials, including concrete, asbestos, cement, corrugated iron, felt, timber, and on bitumen membranes as a protective aesthetic coating etc.

Advantages

- Easily applied by brush, roller or airless spray on most type of surface on all external and internal walls on a large or small roof areas on joints and seams on gutters and glazing bars offer total resistance against the damage of effect from the sun infra-red and ultra violet rays
- Exhibits outstanding elasticity to allow for any roof movement
- Achieve excellent resistance to wide range of chemicals and pollutants, will not support mould growth
- Achieve a micro-porous breathable skin allowing a substrate to dry fast naturally
- unaffected by rain or total immersion conditions and by no re-emulsification
- Withstand over a wide range of temperatures.

Properties

Tested to American Standard ASTM D412

Density:	1.30
Solid Content:	70 %
PH Value:	8.0
Ultimate Tensile Strength:	2.5 N/mm ²
Ultimate Elongation:	400 %
Water absorption after Immersion for 24 hrs:	<1.00%
Resistance to Ageing:	Excellent
Resistance to UV light:	Excellent

Surface Preparation

1. Steel Abrasive blast to A.S. 1627.4 Class minimum mechanical abrading and derusting.
2. Timber Surface must be clean, smooth, dry and free of oily residue.
3. Concrete surfaces should be allowed to cure for minimum of 28 days. Remove laitance and any trade wastes by acid etching, abrading through light blasting or water jetting and allow the concrete substrate to dry before commencing **Hydraroflex** application.
4. Masonry Surface must be clean, dry and free of oil or grease. Make good any surface defects with Cemcrete range of repair products. For minor and hairlines cracks repair, fill it with **Hydraroflex**.
5. Pre-painted Scrape off flaking paint and any loose material. Sand back gloss painted surfaces to improve adhesion. Touch up expose ferrous metal surface with Zinc Prime 216 rust primer.

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Consolidation of Substrate

The substrate shall be primed according to manufacturer's recommendation.

- Friable Concrete Substrate - 1:1 dilution with water.
- More absorbent Substrate – use direct neat coat without dilution

Proposed areas shall be primed by brushing or rolling onto the surface with **Hydraroflex** at a spread rate of 6 square meter per kg. and allow to dry. The priming coat shall be extended at least 240 mm up to all parapet walls. On sound substrate no priming is required, such as on metal decking.

Trafficable RC Roof Application

Step 1 : Prime the surface as described under

- consolidation of Substrate and allow it to dry.

Step 2 : Apply onto primed surface a layer of Cemproof

- Rooflex, and whilst it is still tacky, embed Cemfibemat reinforcement mat on top of it and allow to dry.

Step 3 : Next apply a further two additional coats of **Hydraroflex** at a spread rate of 5 sq. Meters per kg., allowing 2 - 4 hours drying time between coats to complete the waterproofing system.

Non-Trafficable RC Roof and Wall Application (on bare concrete and plaster finish)

Step 1 : Prime the surface as described under

Consolidation of Substrate and allow it to dry.

Step 2 : Next apply a further two additional coats of **Hydraroflex** at a spread rate of 5 sq. Meters per kg. , allowing 2 - 4 hours drying time between coats to complete the waterproofing system.

Pre-Painted Metal Application

Step 1 : Clean the substrate as described under surface preparation.

Step 2 : No priming is necessary. However onto corroded area, it has to be scraped and sanded off, and should be primed with Zinc Prime 216 rust primer. Apply two coats of **Hydraroflex** onto the metal surface, allowing each coat to dry before proceeding the next.

Joints

For bridging over expansion joints, overlap joints, and umbrella nail, etc., incorporate defined reinforcing fiber.

Clean up

Clean all equipment immediately after use with clean water.

Estimating and Packaging

Supply

Hydraroflex : 23 Kg. / pail

Coverage

Hydraroflex : 0.2 Kg. / m² / Coat
2 Coat is recommend

The coverage figures given are theoretical – and due to wastage factors and various natures of potential substrates, practical coverage figures will be varied.

Precautions

Health and Safety: **Hydraroflex** is non-flammable and non-hazardous materials. Avoid contact with skin and eyes. Wear protective gloves and eye protection when using normal and spray application.

Storage: Material should be stored at temperatures between 15 °C and 40 °C.

Shelf Life: 12 months when sealed and stored within recommended temperatures.

Technical Service

Cemcrete provides a Technical Advisory Service supported by a team of professionals in the field. Please contact the Cemcrete Technical Department for application onto unfamiliar substrates.

Important Note: Cemcrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemcrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemcrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.