

FIBRE REINFORCED UV RESISTANT ACRYLIC CO-POLYMER LIQUID WATERPROOFING MEMBRANE

Description

Isoplus is a single-component waterproof coating formulated with special acrylic co-polymers that undergoes curing to create a flexible, elastomeric seamless monolithic membrane. This coating is designed to deliver a waterproof and weatherproof membrane, making it highly suitable for the renovation and maintenance of old roofs.

The cured membrane exhibits exceptional elasticity and very high tensile strength, allowing it to accommodate roof movement effectively. Furthermore, its UV-resistant properties and incorporation of fiber reinforcement contribute to its outstanding durability. Isoplus also boasts a high shore hardness, ensuring excellent adhesion to both concrete and metal surfaces, making it a versatile choice for various substrates. The coating comes in various shades of grey, while additional options in white and other colors can

Advantages

- Weatherproof, protective and decorative.
- Easy to apply, solvent free, one component system.
- Can be used on concrete, light weight concrete, PU foam, asbestos, cement, Zinc, GI Steels, Timber etc.
- Excellent adhesion to concrete surfaces while allowing concrete to breathe moisture naturally.
- Highly flexible. Can absorb extreme temperature variations / roof traffic without cracking or tearing.
- Excellent thermal insulation.
- Highly resistant to chemicals. Anti carbonation coating and resistant properties.
- Resistant to ultra-violet rays.
- Non-toxic-ideal for potable water tanks
- Good resistance to Carbon dioxide and Chloride ion diffusion
- Will increase the life of concrete structures.

Properties

Specific Gravity : 1.2 +/- 0.05 at 23 degrees

Elongation at Break : 500%

Weather resistance : No evidence of cracking, Deterioration & loss of Flexibility

Service Temperature : 20 to 110 degrees centigrade

Tensile strength : 1.38

Pull off Adhesion: 0.82

Solid content : 60% min

Shelf life : Upto 1 year when stored in dry place

Curing : Touch dry - 1 hour; Complete dry - 5 hours

Application Instructions

Preparation

All the surfaces which are to receive Isoplus, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Quickroc System.

Application

All cracks must be thoroughly repaired. Prime the surface with Isoheal. Following thing Isoplus shall be applied in two coats at right angles to each other by brush, roller or spray. The second coat of Isoplus shall applied as soon as the first coat has reached touch dry state (4-6 hours). Mesh/Geotextile can be used as a sandwich layer for extra reinforcement.

Coverage

This depends on the site conditons. The approximate coverage per pack at even consistency (1 mm thickness) is as follows :

Isoplus D - 20-25m²/20L in two coats

Allowances should be made for any possible wastages when estimating.

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Subsequent Finishes

Isoplus provides an aesthetically pleasing surface finish texture depending on the method of application, and does not normally require any further surface finishes.

Isoplus is however compatible with most forms of subsequent coatings.

Cleaning

Isoplus should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

Packaging

Isoplus D is supplied as a package of 1L, 5L and 20L cans. White, Terracotta and grey are the available colours.

Special colours are available on request and larger packaging for bulk orders.

Storage

Isoplus has a shelf life of 12 months in unopened packs, if kept in a dry store. In high humidity locations, the shelf life may vary. Prevent Isoplus liquid from freezing.

Precautions

Health and Safety instructions

Isoplus is non-toxic but it is alkaline in nature. Gloves and goggles is recommended to be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought.



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Important Note

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