



ROTAFIX FLEXIBLE MEMBRANE

**PRODUCT CODE:
DESCRIPTION:**

ROTAFIX FLEXIBLE MEMBRANE is a 2 part elastomeric system consisting of a cementitious dry pack and a flexible acrylic latex. The dry pack, Rotafix paint dry pack, is a mixture of a unique blend of cement powders, fillers and amixtures. When the powder is mixed with the latex, Rotafix flexible latex, a white coating is produced which is extremely adhesive, flexible and waterproof. The material is an anti-carbonation, protective, flexible coating to concrete and cementitious materials.

SPECIAL USES:

- 2mm of flexible membrane provides anti-carbonation protection to concrete equivalent to 50mm of good quality concrete.
- Available in White
- Easy to mix and apply by trowel, float, spatula, brush or spray.
- Adheres strongly to all construction materials: cement, mortar, concrete, brick, stone, slabs, steel, wood, plastic and glass.
- Microporous, waterproof and weatherproof.
- For use as an Anti-carbonation Protective, Flexible Coating to cement and concrete.
- Whenever stress, thermal or moisture movement is a problem at a crack, joint or with a concrete structure.
- Tanking, roofing, weatherproofing and waterproofing applications.
- The filling, sealing and waterproofing of cracks, joints, gaps and seals.
- To protect reinforced concrete structures against freeze/thaw cycles, de-icing salts and corrosion of steel.

PACKAGING:

The paint is ready to use, supplied in 15 kilogram packs, and has a shelf life of 1 year.

MIXING

ROTAFIX FLEXIBLE MEMBRANE is mixed using a Rotafix 25 litre mixing container, a pneumatic or electric power tool (1kw), and a Rotafix stirrer.

INSTRUCTIONS:

Pour the cementitious dry pack onto the latex while mixing. Mix gently for 1 minute. Rotafix flexible membrane is now ready for use.

Alternatively, small amounts of the material can be prepared by slowly adding the powder to a quantity of the latex and mixing to the required consistency.

**PREPARATION OF
SUBSTRATE**

Good surface preparation is an essential part of any painting application. All substrates should be mechanically sound and thoroughly clean.

**APPLICATION AND
EQUIPMENT:**

On heavily contaminated concrete and other surfaces, any dust, dirt, oil grease and organic growth must be mechanically removed until a good, sound, strong substrate is obtained. Vacuum clean or blow away all dust and debris.

On weak, friable or porous substrates, use Rotafix primer latex to penetrate, consolidate and seal the surface. With a brush or a soft broom brush the latex completely and evenly over the surface. Work the latex well into the substrate. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the perimeter of the repair area. Let the latex dry out, usually 15 to 20 minutes depending on conditions.

If the substrate requires a primer, or to enhance the bond, apply a second coat of latex to the first coat. Normally, 1 litre of Rotafix primer latex will treat 5m² of concrete surface with 2 coats of latex.

Mix and apply Rotafix flexible paint by soft brush or broom, roller or spray. Work the material well onto and into the surface to minimize voids at the bondline and to enhance the contact of the paint with the substrate.

Apply the first coat of membrane by brush, steel float or spatula at the rate of 1 litre/m² (1mm cover/m² of concrete), and spread the membrane completely and evenly over the concrete surface. Let the first coat dry out before applying the second coat, which can vary from 1 to 24 hours, depending on conditions of temperature, humidity and wind. When the first coat is sufficiently dry and firm, repeat the procedure for the second coat.

If the membrane is spray applied, two coats can be applied in one operation. Spray wet on wet. Apply the first coat at the rate of 1 litre/m² and return a few minutes later to apply the second coat.

The spread rate for a 2 coat application is 2.0 litres/m²

The number of coats, and total thickness of the membrane cover over the concrete surface, should not be less than 2 x 1mm.

MATERIAL USAGE/

1 x 15 kilogram pack yields 10 litre of flexible membrane

COVERAGE:

1 x 15 kilogram treats 5m² of concrete at 2 x 1 mm cover

CURE

Typical data at 100% latex/powder ratio at 20°C

SCHEDULE/CURE

Consistency: Good mortar consistency.

D PROPERTIES:

Consistency Life: 20 minutes

Elongation at failure: 70%

CLEANING OF

Uncured ROTAFIX FLEXIBLE PAINT may be readily removed from tools and equipment with clean water.

TOOLS:

The site conditions and equipment required when using individual Rotafix products are specific for each project. Only advice given by Rotafix in writing will be considered as part of our contractual liability.

ROTAFIX CEMENTATIONS BASED PRODUCTS ARE MILDLY ALKALINE. Users should take the necessary precautions indicated in the COSHH details available from our offices. Please read our Users Safety Guide on the handling of Resin and Polymer products.

The information in this document is based on practical tests, but given without guarantee insomuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.

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PD Rotafix flexible membrane/2