

Estoflex Dymeric

Decorative, Elastomeric and UV Resistance Waterproofing Coating

Description

Estoflex Dymeric is a single component water borne, high solids, acrylic copolymer waterproof membrane which offers excellent sunlight and UV resistance. **Estoflex Dymeric** may be applied over a wide range of construction materials by brush, roller or airless spray.

Estoflex Dymeric has been tested by SIRIM BHD, in accordance to BS 1881 Part 122: 1983, on Water Absorption Test and complied with the specification in this data sheet.

Uses

As a sunlight exposed waterproofing membrane for decks, balconies, corrugated metal roofs, concrete roofs and gutters. On roofs and balconies, **Estoflex Dymeric** provides a durable, slip resistant, waterproof finish which will accept regular foot traffic.

Estoflex Dymeric is suitable for application to many common substrates including concrete, fibrous cement products, timber with priming required on most substrates.

Advantages

- Water borne acrylic formulation.
- Dirt pick-up resistance.
- Readily applied direct from pail.
- Excellent resistance to UV and weathering.
- Excellent build properties enable application to both horizontal and vertical surfaces.
- Can be applied to a wide range of substrates.
- Available in a select range of standard colour.
- High flexibility – accommodates movement and minor cracking of substrates.
- Contains additives to inhibit growth of mould and fungus.

Standards Compliance

- **BS 1881 - Part 122 : 1983**
- **ASTM D412-06 (2013)**

Physical Properties

Solid Content, %	50-70 %
Density, kg/L	1.20 – 1.30
Curing Time, hrs	12
Water Absorption, % BS 1881 Part 122 :1983	< 0.5
Tensile strength, MPa ASTM D412-06 (2013)	>1.0 ± 0.2
Elongation, % ASTM D412-06 (2013)	>300
Solar Reflectance Index *Only applicable for Estoflex Dymeric Off White*	>78

Design criteria

In waterproofing application, **Estoflex Dymeric** is designed to be applied by brush, roller or airless spray over the appropriate primer, to achieve a total dry film thickness of not less than 700 microns in three or more coats.

Specification clauses

Roofs and decks

Where so designated on the surfaces shall be waterproofed with high performance, UV resistant, acrylic high build waterproofing membrane. The membrane may be reinforced with a non woven polyester fabric, if required, and applied with a minimum 3 coats to achieve a total minimum dry film thickness of 700 microns.

Application Instructions

Surface Preparation

All surfaces should be generally sound and clean. Cracks and joints should be cleaned and filled with **Estoflex Dymeric** separately, allowing drying. Larger cracks should be chased out to at least 10 mm wide and repaired with Estop joint sealing compounds such as Estojoint or Estolastic.

Base Screed (for R. C. flat roof)

Base screed with minimum gradient of 1:120, to receive **Estoflex Dymeric**, shall be laid if the floor is uneven and without required gradient, to achieve better waterproofing performance.

Metal Surface

For steel substrates, it is ideally to blast cleaning to SA2½ standard. Clean the metal surfaces and scrape off the flaking paint and any loose materials before application of **Estoflex Dymeric**.

Application

The cleaned surface shall be primed by brushing the surface with 1-part **Estoflex Dymeric** mix with 1 part of clean water and then apply directly to the surface to be waterproofed, in order to improve the bonding. Allow primer coat to dry. The priming coat shall be extended at least 240mm up to all parapet walls.

Estoflex Dymeric is recommended to apply at least 3 coats. Apply the first coat of **Estoflex Dymeric** on the substrate surface. Leave for dry for approximately 2 – 6 hours depend on application thickness, temperature and humidity condition. **Estoflex Dymeric** can be installed with conventional airless spray equipment, brush or roller.

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Optional

Incorporate a layer of Estop Fiberglass where necessary. **Estoflex Dymeric** is very effective when sandwiched with Estop fibreglass to repair leaky gutters, down spouts, etc. to bridge cracks; corrosion etc. providing the damage is not too extensive. Do not pour surplus materials down drain, wash all brushes immediately or keep immersed in water.

Packing & Size

Estoflex Dymeric	20 litre pail
Colours	Off White, Grey, Green (Special colours on request)

Coverage

Estoflex Dymeric	3 – 4 m ² / L / coat @1.26kg/m ² (per 3 coats) Depend on porosity of substrate
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Technical Support

Denka offers a comprehensive technical support, including help at the design stage, application advice and on the site problem solving. Specifiers and contractors are encouraged to contact our trained staff for answers to their questions.

Storage

Storage must be carefully controlled as all latex systems may coagulate (solidify with long periods of storage) in high temperatures. Store in shade under warehouse conditions and keep away from sources of heat.

Estoflex Dymeric has a minimum shelf life of 12 months. Shelf life may reduce if stored in extreme heat condition.

Precaution

Estoflex Dymeric should not be swallowed or in contact with skin and eyes. Wear suitable protective gloves and goggles.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Additional Information

Denka Construction Solutions Malaysia Sdn Bhd also offers various types of waterproofing systems, which include self-adhesive, and torched-on membranes, polymer modified cementitious coatings, liquid applied coatings and rubberized bituminous emulsions etc.



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