

Estoflex PU950

Single Component, Water based Polyester-Polyurethane Waterproofing Membrane

Description

Estoflex PU950 is flexible single component water based Polyester-Polyurethane waterproofing and sealing membrane with for external or internal application on wall and roof.

Uses

To provide water and vapour proof in complicating application surface compare to membrane type and ensure better integrity between applied surfaces and waterproofing coating. Areas of application:

- Reinforced Concrete Roofs
- Metal Roof
- Waterproofing of terraces and balconies
- Hollow core concrete roof
- Cement screed flat roof

Advantages

- Suitable for external areas on wall and roof with Ultra Violet Resistant.
- Environmentally friendly product.
- When fully cured, it forms a flexible membrane.
- Able to withstand human traffic.
- Ease of application.
- Crack bridging capabilities up to 1mm.

Physical Properties

Appearance	Liquid
Standard Colour	Grey
Solid Content, %	> 60
Elongation at Break, % ASTM D412	> 400
Tensile Strength, N/mm ² ASTM D412	> 1.0
Adhesion to concrete at 25°C, N/mm ² ASTM D4541	> 1.0
Water Absorption, % BS1881:Part 122	< 0.5
Drying Time at 25°C, hrs	
Touch Dry	2 – 4
Re-coat	4 – 8
Cure Time	24
Recommended thickness (WFT), mm	1.0 ± 0.2 / coat

Application Instruction

Surface Preparation

All surfaces should be generally sound and clean. Cracks and joints should be cleaned and filled with **Estoflex PU950** 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 PU950**, 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 PU950**.

Priming

The cleaned surface shall be primed by brushing the surface with 1 part **Estoflex PU950** 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.

Application

Pre-mix the material with slow speed mechanical stirrer for at least 1 minute.

Apply the first neat coat of **Estoflex PU950** on the prepared substrate surface with squeegee, roller or by spray method. Leave it to dry for 4-8 hours in between each coat. Recommended thickness is approximately 1.0 mm in minimum 2 coats.

Optional

Incorporate a layer of Estop Fiberglass where necessary. **Estoflex PU950** is very effective when sandwiched with Estop fiberglass 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.

Protection

The applicator should also take precautions to protect the **Estoflex PU950** membrane from any mechanical damage during the construction of other works to be carried out directly on the **Estoflex PU950** membrane.

Packing & Size

Estoflex PU950	20 litre pail
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Coverage

Estoflex PU950	1.0L / m ² / neat coat Depend on porosity of substrate
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Storage

Estoflex PU950 material should be stored below 30°C out of direct sunlight and rain. All containers should remain sealed until ready to use.

Up to one year in unopened container and stored in a cool and dry elevated place.

Shelf Life

Up to one year in unopened container and stored in a cool and dry elevated place.

Health and Safety

Proper PPE especially safety mask are to be worn during application. In case of eye splashes or excessive skin contact, wash thoroughly with clean water. If ill effects occur, seek medical attention immediately.

Technical Support

Estop offers a comprehensive range of high performance, high quality of product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors as well as on-site technical assistance.

Additional Information

Estop manufactures and offers a wide range of complementary products which includes waterstops, waterproofing products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.