

Enduroflex

Liquid Applied Roof Waterproofing system





The **User Friendly** Liquid Roof Waterproofing System

Enduroflex liquid waterproofing membrane is the latest innovation in liquid roofing technology combining the benefits associated with existing alternative products to create a new system which is very user friendly. Customers currently using liquid applied waterproofing systems will be familiar with the challenges often associated with this type of product. Unpleasant odours, restrictive weather conditions, differing application processes, multi component systems – combined, these make the successful installation of liquid systems very challenging. Enduroflex has been developed with these attributes in mind to produce a membrane which is considerate to the needs of the installer.

Enduroflex is a liquid waterproofing system that eliminates many of the challenges faced, to provide a product which is very practical to use and provide significant cost savings on labour.

User Friendly Benefits:

- Solvent Free Technology
- Single Component Technology
- Isocyanate Free
- Very low odour
- Non Flammable
- Early rain resistance
- Complete system installs in a single operation ("Wet-on-wet" application)
- Usable at low temperature
- May be applied to damp surfaces

Enduroflex is a robust and durable liquid applied waterproofing technology that combines environmentally friendly benefits, with the absence of solvent and low odour in the product, together with user-friendliness for the applicator, as the system can be applied in a single step on a wide range of substrates in very varied climate conditions.



Versatility

Enduroflex is an extremely versatile product which can be used for flat roof applications of all shapes and sizes, ranging from small domestic to large commercial projects. Installed directly to new roof surfaces or existing waterproofing systems, Enduroflex cures to form a completely seamless, durable and flexible surface that can tolerate normal building movement and foot traffic.

Ease of Application

Enduroflex is a single component system - no accelerators or catalysts are required to aid the curing process - the coating is applied directly from the can. The complete system installs in a single operation called "wet-on-wet" where a layer of fabric is applied between two layers of coating. Additionally Enduroflex is able to cure at temperatures as low as 0°C where frozen matter is not present on the surface, providing a wide range of application temperature for the installer.

Early Rain resistance

The Enduroflex liquid coating is weatherproof in approximately 30 minutes* and can receive foot traffic after 6 to 12 hours. Full curing typically takes up to 21 days.

* Drying time may vary depending on climatic conditions / data quoted refer to laboratory conditions (23°C/50%RH).

Excellent Properties

Enduroflex displays excellent properties which include resistance to ponding water, UV and ozone resistance and good vapour transmission.

Environmentally Friendly

Enduroflex is manufactured completely solvent free and does not contain any volatile organic compounds. As a result, there is no risk associated with unpleasant odours that can make installation uncomfortable for the installer and the client. Enduroflex is also non-flammable making transport and handling simple and cost effective.

Aesthetic

As standard, Enduroflex is manufactured with a grey or white colour finish, which when fully cured has a matt appearance. Where necessary, an anti-skid walkway finish incorporating coloured quartz sand is available.





System Components and Accessories

The Enduroflex liquid waterproofing system is a single component liquid product incorporating moisture triggered curing technology. Applied in two layers in conjunction with a polyester reinforcing fabric, it forms a fully adhered monolithic roofing membrane that is vapour permeable, and suitable for use on both new and refurbishment projects.

System Components

The membrane system comprises of a very simple product range including:

Primers:

Enduroflex Primers, only where required, improve adhesion of the waterproofing system to the substrate. It is important that the substrate is suitably prepared prior to application of the Enduroflex System.

- Enviroflex EP1 Primer for PVC and wood
- Acrylic Primer for bitumen and mastic asphalt

Primers are not required for application on concrete, metal, glass, ceramic.

Waterproofing Coating:

Enduroflex waterproofing coating is a single component, fast curing liquid waterproof coating, which is applied in a "wet-on-wet" application. Since the Enduroflex liquid waterproofing system is applied in a single operation, it allows the installation to be completed reliably and quickly, providing substantial cost-savings on labour.

Reinforcing Fabric:

Sealoflex and Sealoflex Premium Reinforcing Fabric regulates coating thickness, and provides the system with its strength and robustness.

Two fabrics of different thickness are available, 110 g/m² (standard) and 165g/m² (Premium), both nonwoven polyester, in two different widths: 30cm and 1m.

Anti-Skid Walkway (optional):

Enduroflex Walkway System provides a durable hard wearing anti-skid surface, which protects the waterproofing from regular access pedestrian foot traffic. Enduroflex Coating is applied as a base resin layer and Enduroflex Quartz is broadcast into the coating to provide the anti-skid surfacing. Final layer of Enduroflex WearCoat Clear provides encapsulation of quartz granules and UV protection layer.



Systems

	Standard System	Premium system
Thickness	1.2 to 1.4 mm	2.0 to 2.5 mm
Reinforcing Fabric	Standard (110 g/m ²)	Premium (165 g/m ²)
Coverage rate	1.8 kg/m ²	3 kg/m ²

Declaration of Performance Number

	Standard System
Enduroflex Standard	TDS1384
Enduroflex Premium	TDS1385

Enduroflex Waterproofing System



- 1 Enduroflex Coating (Top Coat)
- 2 Sealoflex Reinforcing Fabric
- 3 Enduroflex Coating (Embedment Coat)
- 4 Enduroflex Primer (when required)
- 5 Substrate



Components

Resin	Size	Coverage rate (kg/m ²)
Enduroflex	4L or 15L	1.8 (standard) 3 (premium)
Primers		
Enduroflex EP1 Primer	4L	0.2
Enduroflex Acrylic Primer	4L	0.3
Fabrics		
Sealoflex Reinforcing fabric 110 g/m ²	1m or 30cm wide	-
Sealoflex Premium Reinforcing fabric 165 g/m ²	1m or 30cm wide	-
Accessories (Anti-Skid Walkway)		
Enduroflex Quartz	25 kg	2.5
Enduroflex WearCoat Clear	4L	0.5

Enduroflex Waterproofing System with Walkway



- 1 Enduroflex Walkway System (Enduroflex Quartz and WearCoat Clear)
- 2 Enduroflex Coating (Top Coat)
- 3 Sealoflex Reinforcing Fabric
- 4 Enduroflex Coating (Embedment Coat)
- 5 Enduroflex Primer (when required)
- 6 Enduroflex Primer (when required)
- 7 Substrate



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