

Sealoflex Endura Liquid Applied Waterproofing Systems



BMI Sealoflex

Systems for roofs,
balconies, walkways and
other applications

bmigroup.com

Sealoflex Endura

Based on polymethyl methacrylate (PMMA) technology, Sealoflex Endura combines fast application and curing times with proven waterproofing reliability and superior membrane durability. It is ideal for installations such as public access walkways, external balconies, terraces and podium decks where hard wearing and highly durable surfaces are required.

The Sealoflex Endura System can also be applied as a complete roof overlay system or as a detailing solution in combination with a range of BMI membranes.

FEATURES & BENEFITS

- Service life in excess of 25 years – highly durable
- Highly rated – European Technical Approval 005 for all use categories, including flexibility, mechanical properties and adhesion
- Rapid cure – fast installation
- Low temperature application – year round installations
- Single source system for balconies and roof terraces – no compatibility issues
- Versatile – suitable for a wide range of substrates, including bitumen membranes, weathered asphalt, synthetic membranes, concrete, metals and plywood / OSB

APPLICATION CONDITIONS

Apply when atmospheric and substrate temperatures are between 0 and 35 °C and the surface is 3 °C above the dew point.

When carrying out coating work, the substrate moisture must not exceed 6 % by weight.

Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath.

Do not apply if rain is imminent.

Before applying Sealoflex Endura make sure the substrate has been properly prepared and primed.



Calmac Ferry Terminal, Tobermory, Isle of Mull, UK

MIXING INSTRUCTIONS

- 1 Measure the appropriate weight of catalyst for the weight of resin and the temperature.
- 2 Add the catalyst to the pre-mixed / decanted resin.
- 3 Thoroughly mix the resin and catalyst using a slow speed mixer for a minimum 2 minutes until the catalyst has been evenly distributed and leave for a minimum of 1 minute to allow the catalyst to fully dissolve.
- 4 Re-mix and use the mixed material within the pot life.

MIXING RATIO

Temperature range of:

- 0 °C to +5 °C 10 kg base resin + 0.6 kg catalyst (6%)
- +5 °C to +15 °C 10 kg base resin + 0.4 kg catalyst (4%)
- +15 °C to +35 °C 10 kg base resin + 0.2 kg catalyst (2%)

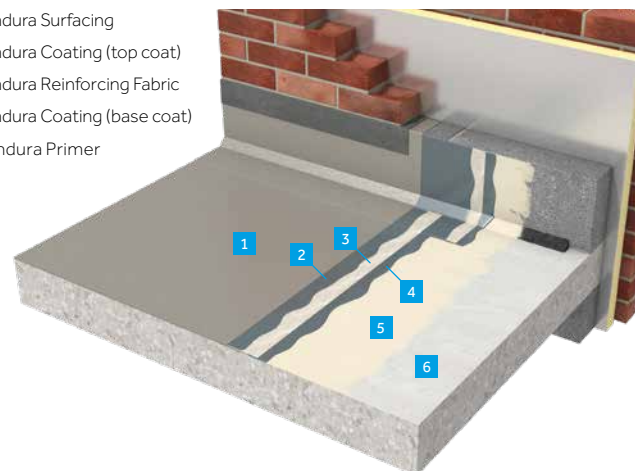
SEALOFLEX ENDURA SYSTEM COMPONENTS

SYSTEM COMPONENT	DESCRIPTION	COMPONENT SIZE	CONSUMPTION
Surface Preparation			
Sealoflex Endura Fill Paste	Used to fill cracks, gaps, etc. up to 3 mm (RAL 7032)	15 kg	1.4 kg/m ² /mm
Substrate Primers			
Sealoflex Endura Asphalt Primer	For use on asphalt and bitumen	10 kg	0.4 kg/m ²
Sealoflex Endura Concrete Primer	For use on concrete and cementitious substrates	10 kg	0.4 kg/m ²
Sealoflex Endura Metal Primer	For use on prepared metals	2.5 litres	0.08 - 0.1 L/m ²
Waterproof Coating			
Sealoflex Endura Waterproof Coating - summer or winter grade	PMMA waterproof coating for flat areas (RAL 7031)	20 kg	3 kg/m ²
Sealoflex Endura Detail Coating - summer or winter grade	PMMA waterproof coating for detailing (RAL 7031)	10 kg	3 kg/m ²
Sealoflex Endura Fibre Fill	PMMA waterproof coating with chopped strand fibres (RAL 7031)	10 kg	3 kg/m ²
Reinforcing Membrane			
Sealoflex Endura Reinforcing Fabric	110 g/m ² polyester reinforcing fleece	1.05 m x 50 m; 0.35 m x 50 m; 0.15 m x 50 m	N/A
Coloured Top Coat			
Sealoflex Endura Finish Coat	Coloured finishing coat (RAL 7030 and RAL 7043)	10 kg	0.5 - 0.7 kg/m ²
Accessories			
Sealoflex Endura Cat Powder	Catalyst powder	100 g bags	N/A
Sealoflex Endura Cleaner	Ethyl acetate	9 litres	N/A
Balconies and Terraces			
Sealoflex Endura Balcony Coating - summer or winter grade	PMMA resin for balcony waterproofing (RAL 7031)	20 kg	3 kg/m ²
Sealoflex Endura BT Resin - summer or winter grade	Levelling resin to receive surfacing layers	10 kg	4 kg/m ²
Sealoflex Endura BT Filler	Filler mixed with levelling resin to receive large quartz	23 kg	4 kg/m ²
Sealoflex Endura Finish Coat	Coloured finishing coat (RAL 7030 and RAL 7043)	10 kg	0.5 - 0.7 kg/m ²
Sealoflex Endura Large Quartz	0.7 - 1.2 mm quartz	25 kg	6 kg/m ²

APPLICATION METHODOLOGY

- 1 Apply a base coat of Sealoflex Endura Waterproof Coating to the substrate.
- 2 Place the Sealoflex Endura Reinforcing Fabric into the base coat making sure there are no creases in the fabric and that no air is trapped beneath it.
- 3 Roof details should be double reinforced with Sealoflex Endura Reinforcing Fabric.
- 4 Apply a top coat of Sealoflex Endura Waterproof Coating to the saturated fabric.
- 5 Allow to cure.

- 1 Sealoflex Endura Surfacing
- 2 Sealoflex Endura Coating (top coat)
- 3 Sealoflex Endura Reinforcing Fabric
- 4 Sealoflex Endura Coating (base coat)
- 5 Sealoflex Endura Primer
- 6 Substrate





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BMI Group was born out of a recognition that customers now expect a single point of expertise to help them find their ideal roof. Bringing together some of the industries most trusted brands to become the largest supplier of both flat and pitched roofing and waterproofing solutions throughout Europe, BMI Group has over 165 years of experience and innovation to offer its clients.

As a Standard Industries company, BMI Group, headquartered in Reading, U.K., has the support, reach and resources of a global enterprise. With over 120 production facilities across Europe, Africa and Asia, and more than 9,500 employees worldwide, the business is well positioned to provide an unparalleled level of service to homeowners, specifiers, contractors, property owners and developers.

Find out more at www.bmigroup.com.