

Sealoflex Endura Waterproof Coating - Summer and Winter Grades

PRODUCT DATA

Container size (drum)	20 kg base resin
Form	Liquid
Application rate	Min. 3 kg per m ²
Rainproof	Approx. 30 minutes*
Walkable / recoated	Approx. 45 minutes*
Resistant	Approx. 2 hours*
Pot life	Approx. 15 minutes*
Colour	Blue / Grey (RAL 7031)

**Values attained at 20 °C.

INTENDED USE

Sealoflex Endura Waterproof System is a high quality and durable waterproofing product for flat and pitched roofs in new buildings and refurbishments.

DESCRIPTION

Sealoflex Endura Waterproof Coating is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base. Sealoflex Endura Waterproof Coating is reinforced with Sealoflex Endura Reinforcing Fabric and offers the following features:

- Seamless
- Flexible in low temperatures
- Vapour-permeable
- Solvent-free and fast-curing
- Extremely weather-resistant (UV, IR, etc.)
- Excellent adhesion properties on a multitude of substrates
- Elastic and crack-bridging
- Mechanically strong and wear-resistant
- Root-resistant according to FLL test methods
- Resistant to media generally present in air and rainwater
- Hydrolysis and alkali resistant
- Resistant to sparks and radiant heat in compliance with DIN EN 13501-5: BROOF(t1), BROOF(t2) and BROOF(t3)
- Fire classification in compliance with DIN EN 13501-1: Class E
- European Technical Approval according to ETAG 005 with CE mark
- A hard roofing product in accordance with the German regional building regulations

SURFACE PREPARATION

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on. See Dew Point Calculation Table in Sealoflex Endura Installation Manual.

APPLICATION CONDITIONS

Sealoflex Endura Waterproof Coating can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C.

Personal Protective Equipment (PPE) should be worn.



MIXING INSTRUCTIONS

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stir for at least 2 minutes.

Once mixed, transfer to another receptacle and mix again.

MIXING RATIO

Temperature range of:

- -5 °C to +5 °C 20 kg base resin + 0.80 kg catalyst
- +5 °C to +15 °C 20 kg base resin + 0.80 kg catalyst
- +15 °C to +35 °C 20 kg base resin + 0.40 kg catalyst

COVERAGE RATES

The minimum application rates for the Sealoflex Endura Waterproofing membrane is 3 kg/m² on a smooth, even surface.

CHEMICAL RESISTANCE

Acetic acid up to 10%	●	Liquid ammonia	●
Ammonia up to 10%	●	Lubricant	●
Ammonium chloride	●	Mineral oil	●
Ammonium sulphate	●	Nitric acid up to 10%	●
Animal fats	●	Olive oil	●
Apple juice	●	Orange juice	●
Calcium chloride	●	Oxalic acid 10%	●
Castor oil	●	Paraffin oil	●
Caustic potash solution up to 50%	●	Petroleum	●
Cellulose thinner	●	Phosphoric acid up to 30%	●
Chlorinated lime	●	Potassium chloride	●
Citric acid up to 30%	●	Regular petrol	○
Crude oil	●	Sea water	●
Detergent	●	Sodium carbonate	●
Dettol up to 5%	○	Sodium chloride	●
Diesel oil	●	Sodium hydroxide solution up to 50%	●
Formic acid 10%	○	Sodium sulphate	●
Hydraulic oils	●	Sulphuric acid up to 30%	●
Hydrochloric acid up to 30%	●	Turpentine substitute	○
Hydrogen peroxide up to 10%	●	Vegetable fats	●
Kerosene	○	Vegetable juice	●
Lactic acid up to 30%	●	Washing-up liquid	●
Lemon juice	●	Wine	○
Linseed oil	●		

- Resistant
- Conditionally resistant (approx. 1 to 2 hours)

CLEANING

Clean tools immediately after use with Sealoflex Endura Cleaner. Wash hands thoroughly after use.

STORAGE

Can be stored unopened and unmixed for approximately 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

HEALTH & SAFETY

Information regarding transportation, handling, storage and disposal can be found on the Safety Data Sheet and on the label of the container. All recommendations and warnings must be observed.

TECHNICAL SERVICES

Specialist advice and design guidance on all matters relating to Sealoflex Endura System is freely available from our Technical Services Team.

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