

REEFLOR EL002-SF

Self Smoothing Solvent Free Epoxy Flooring 2 to 4.5mm



USES

Reeflor EL002-SF is suitable for use where a hard wearing; dust free; hygienic, easy clean floor topping is required. Ideal situations include industrial or commercial floors, laboratories, car showrooms, gangways etc.

DESCRIPTION

Reeflor EL002-SF is a 1.5- 4.5mm floor topping with advantages to both contractors and clients. All resins, curing agents and aggregates are supplied pre-weighed ready for use on site.

The system is primed by the use of Reepriime EP550 or Reepol RBS80 – please refer to relevant technical data.

ADVANTAGES

Self Smoothing – Hygienic – Good Chemical Resistance – Solvent Free – Wide Colour Range – Hard Wearing – Minimum Floor “out time”

CHEMICAL RESISTANCE

Reeflor EL002-SF is resistant to a wide range of chemicals. Please refer to Technical Data TD116

APPLICATION GUIDELINES

SURFACE PREPARATION

New concrete should have an RH% of 75% or less.

The substrate should be clean, free from laitence, oil, grease or other agents, which may impair adhesion.

Cleaning techniques may include acid etching, grinding, light mechanical scabbling, blasting or degreasing, depending on floor contamination.

Existing concrete floors should be sound and free from loose material. Damaged areas should be repaired with a Reepare Mortar prior to application.

Cementitious substrates should be sound and of sufficient compression strength (min 25N/mm²) and a minimum pull off strength of 1.5N/mm².

TECHNICAL DATA

Colour:	Refer to colour chart	Additional application information:	+10°C	+20°C	+30°C
Density SG:	Approx. 1.7 Kg/Ltr	Pot Life	40	30	15
Volume solids:	Approx. 100%		Mins	Mins	Mins
Application temperatures & humidity conditions	+10°C min, 30°C max (substrate & ambient) RH 85% max.	Waiting time between coats:			
Substrate M.C. & RH:	<4% by Wt & <75% RH	Min	28 Hrs	24 Hrs	12 Hrs
		Max	70 Hrs	24 Hrs	24 Hrs
		Final Drying times:			
		Foot traffic	2 Days	1 Day	12 Hrs
		Lightly serviceable	3 Days	2 Days	1 Day
		Fully serviceable	7 Days	7 Days	5 Days
		Note: All values are approximate.			
		Store away from Food, Drinks, Animals and Children.			
MECHANICAL PROPERTIES					
Compressive Strength	>70 N/mm ²				
Tensile Strength	>38 N/mm ²				
Elongation at break	2.5%				
Abrasion resistance: (taber) 60 mg					
Shore D hardness	78				
Chemical Resistance	Refer to TD116 Technical Data				



REEFLOR EL002-SF

Self Smoothing Solvent Free Epoxy Flooring 2 to 4.5mm

We recommend that all floors suitable for Reeflor EL002-SF should be inspected prior to application where full and further recommendations will be given.

PRIMING

All floors must be thoroughly sealed with Reepriime EP550 or Reepol RBS80 prior to the application of Reeflor EL002-SF. See technical data sheet for Reepriime EP550 or Reepol RBS80. It is always preferable that the sealing is carried out in one application by depositing sufficient primer.

Depending on the porosity of the substrate a second coat may be required. Reepriime must be tack free before the application of Reeflor EL002-SF.

MIXING INSTRUCTIONS

IT IS IMPERATIVE THAT THE FIRST STAGE OF MIXING IS CARRIED OUT IN THE RESIN CONTAINER.

Reeflor EL002-SF is supplied in pre-weighed packs and no addition of solvents, aggregates or any other substances should be carried out on site. The entire contents of the curing agent, component B, should be added to the entire contents of the resin pack, component A, and should be mixed together using a low speed electric stirrer (300-400 RPM) for a minimum of 3 minutes until a uniform mix has been achieved.

Transfer to suitable sized mixing bucket scraping well the sides of the container. Gradually add aggregate component C while mixing. Continue mixing for 2 minutes or until a uniform mix has been achieved.

APPLICATION

Pour the mixed material onto the pre-sealed substrate and spread to the required level by steel trowel. Roll immediately in two directions with a spiked roller.

JOINING TIME

Joining time should not exceed 35 minutes at temperatures of 18-20°C and 45 minutes at temperatures of 12-18°C. Disturbances to the applied materials outside these timings may create streaking and discoloration at the joining point.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to our Information Data sheet reference TD300.

EXPANSION JOINTS

All existing joints in the substrate should be followed through into the Reeflor EL002-SF.

CLEANING

All tools should be cleaned with Reepol Thinners RC4 immediately after use. For hands - soap and water.

PACKAGING

Pack size	24.5 Kg
Component A	6.00 Kg
Component B	2.50 Kg
Component C	16.00 Kg

Coverage 1.75 Kg/m² minimum.

Coverage is given as a guide only as the exact coverage will vary from floor to floor.

HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing are used when using Reeflor EL002-SF. If eyes are affected wash with copious amounts of water and seek medical advice. For hands - wash with soap and water. For full details refer to C.H.I.P. data sheet



Reepol Chemical Building Products Limited

Court Works, Bridgnorth Road, Madeley, Telford, Shropshire TF7 4JB

Tel 01952 588575 Fax 01952 587886

Email sales@reepol.com Web www.reepol.com

This information is given to the best of our knowledge but without obligation. We reserve the right to change the product for technical reasons and also to make changes to the specifications. This technical information becomes void as soon as a new edition appears.

Materials are supplied subject to our Terms and Conditions - copies available on request.

Ref: EL002-SFDTA/02/11/01