



REEFLOR EL002-SF

Self-Smoothing Solvent Free Epoxy Flooring 2mm 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 showroom, gangways, etc.

DESCRIPTION

Reeflor EL002-SF is a 2mm to 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 Reepime 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 relevant technical data TD116.

TECHNICAL DATA

Colour: Refer to colour chart
 Density SG: Approx 1.7kg/ltr
 Volume Solids: Approx 100%
 Application: +10°C min, 30°C max
 Temperatures & Humidity conditions: (substrate & ambient) RH 85% max
 Substrate M.C & RH: <4% by Wt & <75% RH

MECHANICAL PROPERTIES

Compressive Strength: >70N/mm²
 Tensile Strength: >38N/mm²
 Elongation at break: 2.5%
 Abrasion resistance: (taber) 60mg
 Shore D hardness: 78

Chemical Resistance Refer to TD116 Technical data

Additional Application

Information	+10°C	+20°C	+30°C
Pot Life	40 mins	30 mins	15 mins
Waiting time between coats:			
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 the above values are approximate
 Store away from Food, Drinks, Animals and Children.

REEFLOR EL002-SF

Self-Smoothing Solvent Free Epoxy Flooring 2mm to 4.5mm

APPLICATION GUIDELINES

SURFACE PREPARATION

New concrete should have an RH% of 75% or less. The substrate should be clean, free from laitance, oil, grease or other agents, which may impair adhesion. Cleaning techniques may include acid etching, grinding, light mechanical scabbing, 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.

COLOURS

Refer to colour chart

NOTE: Standard Colours are given as a guide as to the closest reference to the actual colour. We recommend that you satisfy yourself that the colour you wish to order is correct by obtaining samples. Other colours are available on request, depending on requirement.

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 Reepime EP550 or Reepol RBS80 prior to the application of Reeflor EL002-SF. See technical data sheet for Reepime 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. Reepime 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 insides 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 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 discolouration at the joining point.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to 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	24.50kg
Component A	6.00kg
Component B	2.50kg
Component C	16.00kg

Coverage 3.5Kg/m² minimum for 2mm finish.

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 TF74JB.

T 01952 588575
F 01952 587886
E sales@reepol.com
W 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.