



# REEFLOR EL1001

Self Smoothing Epoxy Flooring



## USES

Reeflor EL1001 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 EL1001 is based on a blend of epoxy resins, curing agents and selected fine minerals. The easily mixed system provides a 1mm (minimum) floor topping with advantages to both contractors and clients.

## TECHNICAL DATA

Colour	Refer to colour chart	Additional	+10 °C	+20 °C	+30 °C
Density SG	Approx 1.7kg/ltr	<b>Application Information:</b>			
Volume solids	Approx 100%	Pot Life	40 Mins	30 Mins	20 Mins
Application	+10 °C min, +30 °C max	<b>Waiting time between coats:</b>			
Temperatures & Humidity conditions	(substrate & ambient) RH 85% Max	Min	24 Hrs	12 Hrs	6 Hrs
Substrate M.C & RH	<4% by Wt & < 75% RH	Max	48 Hrs	24 Hrs	12 Hrs
<b>MECHANICAL PROPERTIES:</b>					
Compressive Strength	> 70 N/mm <sup>2</sup>	<b>Final Drying times:</b>			
Tensile Strength	> 38 N/mm <sup>2</sup>	Foot Traffic	2 Days	1 Day	12 Hrs
Elongation at Break	2.5%	Lightly Serviceable	3 Days	2 Days	1 Day
Abrasion resistance: (taber)	60mg <sup>2</sup>	Fully Serviceable	7 Days	7 Days	5 Days
Shore D hardness	70	<b>NOTE: All values are approximate</b>			
Chemical Resistance	Refer to TD116 Technical Data	Store away from food, drinks, animals and children			

All resins component A, and curing agents, component B, are supplied pre-weighed and ready for use on site. The system is primed by Reepol EP550 or Reepol RBS80 - see technical data sheet.

## ADVANTAGES

Self Smoothing - Hygienic - Good Chemical Resistance - Solvent Free - Wide Colour Range - Hard Wearing - Minimum Floor "out time"

## CHEMICAL RESISTANCE

Reeflor EL1001 is resistant to a wide range of chemicals. Please refer to Technical Data TD116.

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We recommend that all floors suitable for Reeflor EL1001 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 EL1001. See technical data sheet for Reepime EP550 or Reepol RBS80. Depending on the porosity of the substrate a second coat may be required. Reepime must be tack free before the application of Reeflor EL1001.

### MIXING INSTRUCTIONS

IT IS IMPERATIVE THAT THE MIXING IS CARRIED OUT IN THE RESIN CONTAINER. Reeflor EL1001 is supplied in pre-weighed packs and no addition of solvents or aggregates 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 another container of the same capacity, scraping well the container sides and mix for a short period. This will eliminate possible soft spots on the applied system. Packs should not be split and no other substances should be added i.e. solvent etc.

### 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 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 our Information Data sheet reference TD300.

### EXPANSION JOINTS

All existing joints in the substrate should be followed through into the Reeflor EL1001.

### CLEANING

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

### PACKAGING

Pack Size	20 Kg
Component A	17.5 Kg
Component B	2.5 Kg
Coverage	1.7 Kg/m <sup>2</sup> 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 EL1001. 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.



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