



REEFLOR EL005

Self Smoothing Epoxy Flooring



USES

Reeflor EL005 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, schools, plant rooms etc.

DESCRIPTION

Reeflor EL005 is based on a blend of epoxy resins, curing agents and selected fine aggregates. The easily mixed system provides a 4mm (minimum) floor topping with advantages to both contractors and clients. All resins, curing agents and aggregates are supplied pre-weighed and blended ready for use on site. The system is primed by the use of Reepriime EP800 or Reepriime EP550 - please refer to relevant data sheet.

ADVANTAGES

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

COLOURS

Refer to colour chart.

NOTE: Standard Colours are given as a guide as 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.

CHEMICAL RESISTANCE

Reeflor EL005 is resistant to a wide range of chemicals. Please refer to relevant technical data TD116.

TECHNICAL DATA

Compressive Strength	65N/mm ²
Tensile Strength	20N/mm ²
Flexural Strength	28N/mm ²
Bond Strength	Concrete Failure
Elongation at Break	0.6%
Shelf Life in sealed container	12 Months
Storage Temperature	Min 5°C, Max 35°C

Additional Application

Information	+10°C	+20°C	+30°C
Pot Life	40 Mins	30 Mins	15 Mins

Waiting time between coats:

Min	28 Hrs	12 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

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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.

We recommend that all floors suitable for EL005 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 EL005. 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 EL005.

MIXING INSTRUCTIONS

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

Reeflor EL005 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 (300-400RPM) for a minimum of 3 minutes until a uniform colour 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, aided by a spiked roller. Spike rolling should be effected within 5-10 minutes of application in order to avoid interfering with flow and film formation.

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 EL005.

CLEANING

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

PACKAGING

Pack Size	28.5kg
Component A	6.0kg
Component B	2.5kg
Component C	14kg

Coverage 7.25kg/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 EL005. 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.