



## REETOP ES003

Trowel Applied Epoxy Screed



### USES

Reetop ES003 is suitable for use in areas where a high strength floor topping with excellent resistance to chemical and mechanical attack is required. Ideal situations include heavy industrial areas, breweries, chemical plants, dairies etc.

### DESCRIPTION

Reetop ES003 is based on a blend of selected hardwearing aggregates, solvent free epoxy resins, and curing agents. All resins, curing agents and aggregates are supplied pre-weighed and ready for mixing on site.

The system is primed by Reepime EP550 see technical data sheet. Reetop ES003 is applied by trowel to a thickness of 5-10mm. Once cured the system provides a topping with high chemical and abrasive resistance.

### ADVANTAGES

Good Abrasive Resistance - Fast Curing - Good Impact Resistance - Hygienic - Good Anti-slip Resistance - Easy to Apply - Chemically Resistant

### 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.

The colours in this system will only show the colour as background.

Other colours are available on request, depending on requirement.

### TECHNICAL DATA

Compressive Strength	98N/mm <sup>2</sup>	<b>Additional Application</b>			
Tensile Strength	16N/mm <sup>2</sup>	Information	+10°C	+20°C	+30°C
Flexural Strength	26N/mm <sup>2</sup>	Pot Life	40 Mins	30 Mins	15 Mins
Bond Strength	Concrete	<b>Waiting time between coats:</b>			
	Failure	Min	28 Hrs	24 Hrs	12 Hrs
Elongation at Break	0.09%	Max	70 Hrs	24 Hrs	24 Hrs
Shelf Life in sealed container	12 Months	<b>Final Drying times:</b>			
Storage Temperature	Min. 10°C	Foot Traffic	2 Days	1 Day	12 Hrs
	Max. 35°C	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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### CHEMICAL RESISTANCE

Reetop ES003 is resistant to a wide range of chemicals but we recommend that compatibility should be cleared before use.

### APPLICATION GUIDELINES

#### SURFACE PREPARATION

New concrete should have an RH% of 75% or less. Reetop ES003 should be applied to a sound, clean substrate and preparation should include acid etching, de-greasing or mechanical cleaning, depending on the condition of the substrate. Any damage to the substrate should be repaired prior to the application of Reetop ES003.

#### PRIMING

All surfaces should be primed with Reepime EP550 prior the application of Reetop ES003. See technical data sheet for Reepime EP550.

#### MIXING INSTRUCTIONS

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

All the contents of the aggregate bag should be emptied into a cretangle type mixer. The entire contents of the curing agent, component B, should be added to the entire contents of the resin base, component A, and mixed together until a uniform colour is achieved.

Add the mixed resin and curing agent to the aggregate and mix for 2-3 minutes or until all the components are thoroughly blended. Packs should not be split. Reetop ES003 is supplied in pre-weighed units of the correct proportions and no other substances should be added i.e. solvent etc.

### APPLICATION

Spread the mixed Reetop ES003 onto the pre-primed, tacky, substrate and spread to the required level by steel trowel. Tamp the material to ensure compaction, screeding laths help to maintain the minimum thickness required. Finishing to a closed surface should be by wood float followed by steel trowel. In areas where an impervious finish is required, Reecote or Reeglaze systems should be applied once the Reetop ES003 has cured (12-14 hours). See separate data sheets.

### 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 expansion joints should be followed through the Reetop ES003 and filled with a suitable jointing material.

### CLEANING

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

### PACKING

	Coloured	Natural
Pack Size	28.5Kg	28.25Kg
Component A	2.50Kg	2.25Kg
Component B	1.0Kg	1.0Kg
Component C	25Kg	25Kg
Coverage = 2.6m <sup>2</sup> @ 5mm/28.5kgs		

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 Reetop ES003. 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.