



# E 135

## SBR based admixture and polymer bonding agent

### DESCRIPTION

E 135 is a SBR (styrene-butadiene rubber) based liquid polymer additive which when used with sand/cement composites, greatly increases the resistance to water penetration, and improves the abrasion resistance and durability.

### USES

- Economical concrete repairs
- Floor patch repair
- Corrosion protection to steel reinforcement
- Admix to cement mortar for coving during waterproofing works
- As a bonding slurry for screeds and render

### FEATURES

- Multipurpose usage: admix for screeds, concrete repair and coving
- Improves water resistance when used with cement mortar for fixing clay tiles/mosaic on roofs.
- High performance polymer additive for cement and concrete mixes
- Water based: Low odour & safe to use

### PHYSICAL PROPERTIES

E 135 @ 27 ± 1°C

Appearance	White colour liquid
Specific Gravity	1.02 - 1.03
pH	8 - 10
Solid content	45%
VOC Content	4.17 g/l

### PACK SIZE

1 litre  
5 litres  
20 litres

### APPLICATION INSTRUCTIONS:

#### Substrate preparation

The surface to be treated should be dry, clean, and free from other contaminants prior to the application. New concrete should be allowed to cure for at least 28 days.

#### Mixing & Application

##### A) Use as a bonding slurry

Dampen the concrete surface with clean water to achieve a SSD (saturated surface dry) condition. Prepare a bonding slurry with 1 part E 135: 1 part water: 3 parts cement (by volume). Using a stiff brush apply the bonding slurry onto the prepared damp surface. While it's still tacky, place the new render or concrete and finish as required.

Coverage: 1 litre of E 135 provides 3 - 4m<sup>2</sup> of bonding slurry depending on surface texture and thickness applied.

##### B) Use as a polymer additive for cement/sand covings and renders

Mix 1 part E 135 with 3 parts water and use as the gauging mix (mixing water) with 1:3 or 1:4 cement: sand mix.

##### C) Use as a polymer modified mortar for structural repair and screeds

Standard dose is 5 litres of E 135 for 50 kg of cement used. For more demanding situations such as exposure to chemicals or wear, 10 litres of E 135 for 50 kg of cement is recommended.

The appearance of a E 135 modified mix is deceptive; when of correct consistency it may appear to be too dry. However, it will be found that it can be compacted and trowelled satisfactorily. Avoid using excessive water. The drying time is approx. 16 hours at 23°C and 50% relative humidity when used as polymer modified mixes.

### CURING

Moisture cure for 24 hours and allow to dry out slowly

### CLEANING

All tools should be cleaned with water immediately after use. If delayed, coarse wire brushing may be required to clean the hardened mortar.

### STORAGE AND SHELF LIFE

E 135 must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

### PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided. Always wear gloves and eye / face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

### DISPOSAL/SPILLAGE

Spillage of the product should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

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For further information please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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