



# B 35

## Structural grade, polymer modified cementitious repair mortar

### DESCRIPTION

B 35 is a two component mortar consisting of a blend of cement, graded fillers and chemical additives along with a liquid polymer to provide a mortar that ensures high strength and long-term durability. It is recommended for vertical and horizontal structural repairs.

### USES

- All types of structural repair that can be applied by trowel
- Repair of beams, columns, walls and slabs in high rise buildings
- Repair of Marine structures
- Industrial floors patch repair
- Repair of structural members subjected to loading

### FEATURES

- High strength: suitable for structural repair
- Good bond to cementitious substrate
- Slump free: ideal for vertical (upto 40mm) and horizontal (upto 100mm) repairs
- Shrink free: reduces the risk of cracks
- No curing required

### PHYSICAL PROPERTIES

B 35	@ 27 ± 1°C
Bulk density of powder	1.48 - 1.52 g/cc
Mix density	2.10 - 2.20 g/cc
Initial set approx.	3 hours
Final set approx.	5 hours
Working time	30 minutes
<b>Compressive Strength</b>	
After 1 day	>14 N/mm <sup>2</sup>
After 28 days	>49 N/mm <sup>2</sup>
<b>Flexural Strength</b>	
After 28 days	7 N/mm <sup>2</sup>
Temperature resistance	0°C - 60°C
VOC Content	161 g/l

### COVERAGE ESTIMATES

Pack size	Coverage
20.20 kg	Approximately 1 m <sup>2</sup>
PART A 20kg	@ 10 mm thickness
PART B 200ml	

### APPLICATION INSTRUCTIONS

#### Identification of repair area and substrate preparation

The edges of the repair area should be cut vertically to a minimum of 10 mm to ensure no feather edging. The substrate must be hard, sound and free of dust, dirt and other loose material. Pre-wet the substrate thoroughly with clean water.

Situations where pre-wetting is difficult, one coat of E 135 should be brush applied as a bonding coat. B 35 should be applied when the bond coat is still tacky.

### Mixing

Add 2.60 litres of potable water in a clean mixing container. Add Part B liquid and mix the material using heavy duty mixer or forced action mixer. Add Part A powder to the same container and mix thoroughly for 2 - 3 minutes to obtain a lump free and slump resistant mortar.

### Placing of mortar

Apply the mixed mortar using a trowel or gloved hand to the prepared substrate to required thickness. Thoroughly compact the mortar on to the prepared substrate. The mixed mortar has a working time of 30 minutes. The material may be finished with trowel to provide a suitable finish. The mixed mortar sets after 5 hours.

### CLEANING

B 35 can be removed from tools and equipment by washing in clean water immediately after use. Any hardened material will need to be removed mechanically.

### STORAGE AND SHELF LIFE

B 35 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

Avoid contact with eyes and prolonged contact with the skin. Care should be taken to avoid inhalation or ingestion of dust and prevent contact with the eyes. In case of contact with eyes, flush with ample amount of clean water and seek medical advice if necessary.

### DISPOSAL/SPILLAGE

Spillage of any of the component products 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.

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.

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### 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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