

# B 33

## Two component, high build, polymer modified cementitious renovation mortar

### DESCRIPTION

B 33 is a light weight; polymer modified cementitious repair mortar used for repair of uneven surface profiles and filling blow holes. Due to its light weight properties, B 33 is an ideal choice for overhead repairs upto 25 mm and vertically upto 40 mm in a single layer.

### USES

- Overhead/vertical concrete repair
- Filling blow holes
- Re-profiling of uneven surfaces in form finish concrete such as in chimneys
- Small localized repair

### Features

- Extremely low permeability: provides maximum protection against carbon dioxide and chlorides.
- Very good bonding to cementitious substrate
- Slump free: Ideal for vertical and against gravity repairs at higher thickness
- Chloride free

### PHYSICAL PROPERTIES

B 33	@ 27 ± 1°C
Bulk density	approx.1.38 g/cc of powder
Mix density	1.70 - 1.80 g/cc
Initial set	Approx. 2 Hours
Final set	Approx. 5 Hours
Compressive Strength	
After 1 day	>9 N/mm <sup>2</sup>
After 7 days	>13 N/mm <sup>2</sup>
After 28 days	>25 N/mm <sup>2</sup>
Flexural Strength	
After 28 days	5 N/mm <sup>2</sup>
Tensile Strength	
After 28 days	2 N/mm <sup>2</sup>
Water absorption ISAT (BS 1881 pt.5 1970)	
10 minutes	Nil
30 minutes	Nil
60 minutes	Nil
120 minutes	Nil
VOC Content	159.51 g/l

### COVERAGE ESTIMATES

Pack size	Coverage
<b>20.60 kg</b>	Approximately 1.3 m <sup>2</sup>
PART A 20 kg	@ 10mm thickness
PART B 600 ml	

### APPLICATION INSTRUCTIONS

#### 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 33 should be applied when the bond coat is still tacky.

#### Mixing

Add 2.80 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 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.

#### Curing

B 33 should be cured with C 20 curing compound or clear polythene sheeting over wet hessian immediately after placing.

#### CLEANING

B 33 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 33 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 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.

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

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### 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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