

# TECHNICAL INFORMATION

## HIGH BUILD MORTAR

### Product Data Sheet: Concrete Repair and Installation

#### DESCRIPTION

**High Build Mortar** is a cementitious low density high build patch repair mortar incorporating polypropylene fibres.

#### USES

**High Build Mortar** is designed for the rapid reinstatement of both vertical and overhead repairs to concrete.

#### KEY PROPERTIES

- Low density
- Low slump
- Minimal shrinkage
- Polymer modified for use in wet conditions
- Low permeability – resistant to chloride ingress
- Rapid curing
- Reduces need for formwork
- High bond to concrete substrates

#### TYPICAL PERFORMANCE

Compressive strength at 18-22°C N/mm <sup>2</sup>	
1 day	28 days
5.0	20.0
Flexural strength N/mm <sup>2</sup>	
28 days	
2.0	
WSR	0.24
Fresh Wet Density	1360kg/m <sup>3</sup>
Initial Set	2 hours
Final Set	3 hours
Application Temperature	5-30°C
Minimum Thickness – Hand Applied	10mm
Maximum Thickness - Overhead	50mm
Maximum Thickness - Vertical	80mm
Approximate Yield Litres/25kg	21.4
Approximate Yield Tonne/m <sup>3</sup>	1.16T

For estimating purposes allow 1.1kg of **High Build Mortar** per m<sup>2</sup> at 1mm thick. For example, to cover 1m<sup>2</sup> at 10mm thick 11kg will be required.

#### QUALITY CONTROL

All Pozament products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

For more details contact:  
03444 630 046 [pozament@tarmacbp.co.uk](mailto:pozament@tarmacbp.co.uk)

The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

## MIXING INSTRUCTIONS

**High Build Mortar** should be mixed using water which complies with BS EN 1008 (as for concrete).

**High Build Mortar** should be mixed in a suitable container using either an electric (1kW) or pneumatic power tool. Larger amounts can be mixed in a forced action paddle mixer.

25kg of the powder should be added carefully to 6 litres of water, progressively mixing until a homogeneous consistency is achieved.

Small quantities can be mixed by hand, care being taken to accurately measure the water. Once mixed, the material must not be re-worked.

## APPLICATION

All weak and friable concrete should be mechanically removed back to a sound substrate. When breaking out around steel reinforcement the steel should be fully exposed to at least 15mm behind and 50mm along past the corroded length. When cutting back feather edging must not be permitted. Saw cut edges to a minimum depth of 10mm should be used to outline the repair area.

All areas to be repaired must be free from unsound material, dust, grease and any other contaminants that can affect the bond of the substrate to the repair mortar. Smooth edges should be roughened and reinforcement cleaned bright steel using approved methods and treated with Pozament Steel Primer prior to application of the repair mortar.

The prepared substrate should be thoroughly soaked with clean water until uniformly saturated without any standing water. Permeable concretes should be primed with Tarmac Acrylic Primer as per the instructions on the technical data sheet.

**High Build Mortar** should be applied "wet on wet" for maximum bond.

## PACKAGING AND STORAGE

**High Build Mortar** is available in nominal 25kg sacks, palletised and shrink wrapped. **High Build Mortar** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers. Palletised **High Build Mortar** should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high.

The product should be used on a first in – first out basis. Shelf life is minimum 3 months but could be in excess of 6 months subject to temperature and humidity.

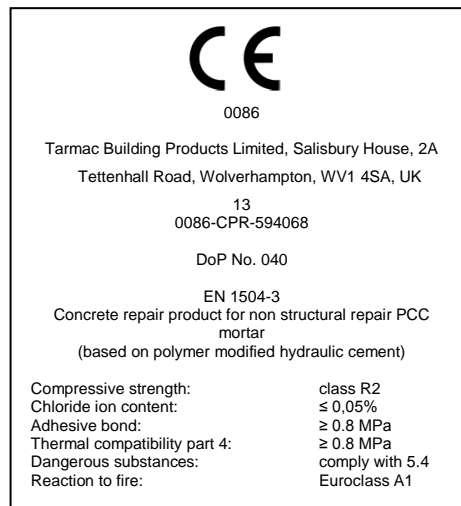
## CLEAN UP AND SPILAGES

Dry powders should be swept up and disposed of in accordance with the Local Authority.

## HEALTH & SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

Contains Portland Cement Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before reuse. R38 - Irritating to skin. R41 - Risk to serious damage to eyes. S26 - In case of contact with eyes, rinse immediately with water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection. S2 - Keep out of reach of children.



## INFORMATION, PRICES & ORDERING

For technical information, pricing and to place orders contact our Sales Office on the following:

**Telephone: 03444 630 046**

**Email: [pozament@tarmacbp.co.uk](mailto:pozament@tarmacbp.co.uk)**

**Visit our website: [Pozament.co.uk](http://Pozament.co.uk)**

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