

TECHNICAL INFORMATION

HIGH PERFORMANCE REPAIR MORTAR

Product Data Sheet: Concrete Repair and Installation

DESCRIPTION

High Performance Repair Mortar is a pre-blended structural cementitious mortar conforming to the requirements of BS EN 1504-3 Class R3. High Performance Repair Mortar contains acrylic copolymers and polypropylene fibres to ensure an extremely high bond in wet conditions and to provide high build qualities.

When mixed with water it produces putty like mortar with an excellent wash out resistance.

High Performance Repair Mortar is designed to comply with D.o.T. BD 27/86 clause 6.

USES

High Performance Repair Mortar is a pre-blended rapid setting structural mortar designed for hand applied concrete repair where a rapid return to service and a moderately high strength is required.

High Performance Repair Mortar can be used for the repair of highway structures, marine structures, viaducts and reinforced concrete.

High Performance Repair Mortar can be used in tidal and wet conditions but care must be taken to avoid placing the mortar underwater.

KEY PROPERTIES

- Conforms to the requirements of BS EN 1504-3 Class R3
- Complies with D.o.T. BD27/86 clause 6 for highway repair mortars
- Fibre reinforced to resist cracking
- Low permeability to water, carbon dioxide and chlorides, reducing the risk of corrosion to reinforcement.
- Shrinkage compensated – reduced risk of cracking
- Single component, factory blended to eliminate the variance of site batching.
- Equivalent sodium oxide content is less than 3kg/m³.

TYPICAL PERFORMANCE

Compressive strength at 18-22°C N/mm ²		
1 day	7 days	28 days
20.0	35.0	45.0
Flexural strength N/mm ²		
7 days		28 days
5.0		9.0
WSR	0.15	
Pot Life	15 minutes (temperature dependant)	
Shrinkage	<0.001%	
Maximum Thickness	200mm	
Minimum Thickness	12mm	
Yield (Litres/25kg)	14.7L	
Yield (Tonne/m ³)	1.7T/m ³	

For more details contact:
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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.

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 Performance Repair Mortar should be applied "wet on wet" for maximum bond.

MIXING INSTRUCTIONS

High Performance Repair Mortar should be mixed using water which complies with BS EN 1008 (as for concrete) and mixed in a suitable container using either an electric (1kW) or pneumatic power tool. Larger amounts should be mixed in a forced action paddle mixer.

25kg of **High Performance Repair Mortar** should be added carefully to 3.75 litres of water, progressively mixing until a putty like consistency is achieved.

Once mixed, the material must not be re-worked.

PACKAGING AND STORAGE

High Performance Repair Mortar is available in nominal 25kg sacks, palletised and shrink wrapped. Palletised **High Performance Repair 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.

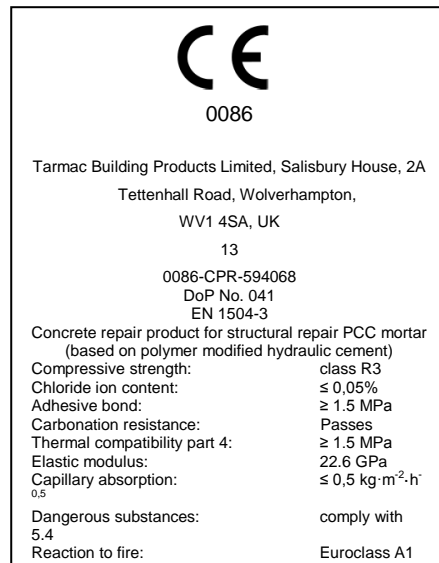
QUALITY CONTROL

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

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

Visit our website: Pozament.co.uk

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