

# TECHNICAL INFORMATION

## HIGH PERFORMANCE PLUG

### Product Data Sheet: Mining Materials

#### DESCRIPTION

**High Performance Plug** is a blend of special high surface area cements and graded ultrafine aggregate fillers.

#### USES

**High Performance Plug** is a rapid setting putty for below the waterline repair work to concrete and brick structures. **High Performance Plug** is specifically formulated to resist saltwater degradation. **High Performance Plug** is designed for use under water or in a wet environment and must not be allowed to dry out.

#### SPECIAL PROPERTIES

- Designed to provide a powerful bond onto wet concrete substrates below the water line.
- Fine particle size allows for feather edging of small repairs.
- Contains no chlorides.
- Rapid set and strength development.
- Non toxic and environmentally compatible to marine environments.

#### TYPICAL PERFORMANCE

Compressive strength at 20°C (N/mm <sup>2</sup> )		
1 Day	7 Days	28 Days
12	19	31
WSR	0.25	
Pot Life	3-4 minutes (temperature dependent)	
Shrinkage	Less than 0.001%	

The above set characteristics are dependent on temperature and type and duration of mixing.

#### QUALITY CONTROL

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

#### YIELD

Litres product/25kg bag	25kg bags/m <sup>3</sup> product
16.75	60

#### MIXING INSTRUCTIONS

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

**High Performance Plug** should be mixed in a suitable container using either an electric (1kW) or pneumatic power tool. Small amounts of under water putty should be added to water at a ratio of 25% water to powder, progressively mixing until a stiff, putty is achieved. Once mixed the material must not be re-worked. Small quantities can be mixed by hand, care being taken to accurately measure the water. NB: Due to the rapid setting time the material should be placed immediately after mixing.

#### PLACING

Ensure all surfaces which the mortar will come into contact are clean and free from all contamination and marine growth. All loose and friable material should be removed. Ideally, concrete substrates should be cleaned with a high pressure water jet.

#### CLEAN UP AND SPILLAGES

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

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

[TARMAC.COM](http://TARMAC.COM)

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.



## PACKAGING AND STORAGE

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

**High Performance Plug** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers. **Palletised High**

**Performance Plug** 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.

## INFORMATION, PRICES & ORDERING

For additional 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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Swains Park Industrial Estate, Park Road,  
Overseal,  
Swadlincote, Derbyshire, DE12 6JT

## 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.

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