

TECHNICAL INFORMATION

RAPID SET FLOWING REPAIR CONCRETE

Product Data Sheet: Concrete Repair and Installation

DESCRIPTION

Rapid Set Flowing Repair Concrete is a pre-blended, pourable, high strength, rapid setting, shrinkage compensated concrete.

USES

Rapid Set Flowing Repair Concrete is suitable for the structural repair of concrete carriageways, runways, bridge decks, track beds and bedding in precast concretes and metal works.

KEY PROPERTIES

- Return to service in 1.5 to 2 hours (20°C to 27°C).
- Contains no chlorides.
- Shrink-compensated in both the plastic and hardened states.
- Class R4 structural repair concrete to BS EN 1504.

TYPICAL PERFORMANCE

Compressive strength at 20°C N/mm ²				
1 hour	2 hours	1 day	7 days	28 days
18	29	37	45	57
WSR		0.14		
Initial Set		15-25 minutes		
Shrinkage		Less than 0.001%		
Minimum Thickness		15mm		

Based on the optimum water: powder ratio 0.14

Litres product/25kg bag	25kg bags/m ³ product
13.0	77

These figures are approximate and take no account for site wastage.

MIXING INSTRUCTIONS

Rapid Set Flowing Repair Concrete should be mixed using water which complies with BS EN 1008 (as for concrete).

Rapid Set Flowing Repair Concrete 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 concrete powder should be added carefully to 3.5 litres of water, progressively mixing until a pourable concrete 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.

Due to the speed of set the material should be placed as quickly as possible.

YIELD

For more details contact:
 03444 630 046 pozament@tarmacbp.co.uk

APPLICATION

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.

Ensure all surfaces with which the **Rapid Set Flowing Repair Concrete** will come into contact are clean and dust free. Ideally, concrete substrates should be thoroughly soaked prior to the **Rapid Set Flowing Repair Concrete** being applied to reduce suction.

Permeable concretes should be treated with a suitable concrete primer such as **Tarmac Acrylic Primer**. Immediately prior to placing all excess water should be removed.

Any concrete exposed to wind or drying conditions should be suitably protected, preferably by coating with a wax-free Curing Agent.

Any concrete that is likely to be subject to low temperature during its early strength development should be protected by covering with hessian or other insulative material. For concreting in cold weather reference should be made to BS 8110 Pt.1 Section 6.

PACKAGING AND STORAGE

Rapid Set Flowing Repair Concrete is available in nominal 25kg sacks, palletised and shrink wrapped. **Rapid Set Flowing Repair Concrete** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers.

Palletised **Rapid Set Flowing Repair Concrete** 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.

QUALITY CONTROL

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

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

Visit our website: Pozament.co.uk

Tarmac Building Products Ltd.

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

 0086	
Tarmac Building Products Limited, Salisbury House, 2A Tettenhall Road, Wolverhampton, WV1 4SA, UK 13 0086-CPR-594068	
DoP No. 043	
EN 1504-3 Concrete repair product for structural repair CC concrete (based on hydraulic cement)	
Compressive strength:	class R4
Chloride ion content:	≤ 0,05%
Adhesive bond:	≥ 2.0 MPa
Thermal compatibility part 4:	≥ 2.0 MPa
Elastic modulus:	27.4 GPa
Capillary absorption:	≤ 0,5 kg·m ⁻² ·h ^{0,5}
Dangerous substances:	comply with 5.4
Reaction to fire:	Euroclass A1