

## Product Data Sheet

## RAPID SET FLOWING REPAIR CONCRETE (FAST SET GP)

### 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 and bedding in precast concretes and metal works.

#### Special 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.

#### Typical Performance

Compressive strength at 27°C N/mm <sup>2</sup>				
1 hour	2 hours	1 day	7 days	28 days
20.6	29	37	45	57
WSR		0.14		
Pot Life		15 minutes at 27°C		
Initial Set		23 minutes at 27°C		
Shrinkage		Less than 0.001%		
Maximum Thickness		100mm		

#### Yield

Based on the optimum water:powder ratio 0.14

Litres product/25kg bag	25kg bags/m <sup>3</sup> product
13	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.

For thick section placing of 100mm to 200mm, reduce the water volume as required. This will however reduce the set time.

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

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

#### Placing

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 for several hours 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 **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 immediately after placing, or 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 procedure in accordance with BS EN ISO 9001.

## Clean up and Spillages

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

## Information, prices & ordering

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

Telephone: **08444 630046** Fax: **08443 099703**

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

Visit our website: [www.pozament.co.uk](http://www.pozament.co.uk)

Pozament - Tarmac Building Products Ltd.,  
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 of 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