

Technical information

pozament
PLATINUM

Rapid precision grout



DESCRIPTION

Pozament PLATINUM Rapid precision grout is a pre-blended, specially formulated, fast setting, non-shrink, fluid cementitious grout with rapid strength gain properties for when time is at a premium. Pozament PLATINUM Rapid precision grout has excellent early strength gain and can be trafficked in 90 minutes.

It is part of the Pozament PLATINUM range to meet the many performance requirements of construction grouting. All Pozament PLATINUM grouts are based on specially selected Portland cement, graded aggregates and high quality performance enhancing admixes.

USES

Pozament PLATINUM Rapid precision grout has been specifically designed to provide a rapid setting, high early strength, fluid grout solution for pouring into and under stanchion plates, rapid repairs to car parks or areas requiring early trafficking, machine base plates, parapet rails, and general Fast track installations. The grout can also be used in the repair of concrete structures and in marine and tidal environment.

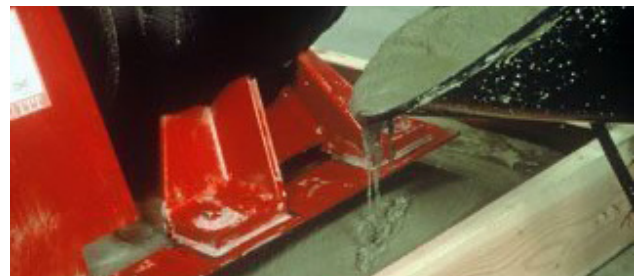
ADVANTAGES

Pozament PLATINUM Rapid precision grout has excellent early strength gain, achieving 12N/mm² in just 60 minutes, and it can be pumped or poured into place.

MIXING INSTRUCTIONS

The grout should be mixed using water that complies with BS EN 1008 (as for concrete). It 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.

For a flowing consistency, 25kg of the grout powder should be added carefully to 3.75 litres of water, progressively mixing until a fluid grout consistency is achieved.



Small quantities can be mixed by hand, care being taken to accurately measure the water.

PERFORMANCE DATA

Water Addition (per 25kg)	3.75 Litres
Workability	5 mins
Initial set time	10 mins
Final set time	15 mins
Flow ring @ 0 min (BS 8204-7:2003)	240-275mm
Application Thickness	10-100mm
Yield per 25kg	
Kg powder per m ³	2100 kg
25kg bags per m ³	84 Bags
Litres per 25kg bag	12 Litres

	Compressive	Flexural
60 minutes	12 N/mm ²	2.5 N/mm ²
90 minutes	20 N/mm ²	3 N/mm ²
120 minutes	25 N/mm ²	3.5 N/mm ²
1 day	40 N/mm ²	5 N/mm ²
7 days	52 N/mm ²	6 N/mm ²
28 days	70 N/mm ²	8 N/mm ²

Data is sourced from tests performed in controlled laboratory conditions at 18-20°C.

TECHNICAL PERFORMANCE DATA (EN 1504)

Performance criteria	Requirement	Result
Compressive Strength (EN 12190)	>45 N/mm ²	88.1 N/mm ²
Chloride content (EN 1015-17)	<0.05%	0.01 %
Adhesive bond (EN 1542)	2.3 N/mm ²	4.2 N/mm ²
Carbonation resistance (EN 13295)	Pass	Pass
Elastic Modulus (EN 13412)	>20GPa	20.4 GPa
Thermal compatibility	>2 N/mm ²	3.5 N/mm ²
Capillary water absorption (EN 13057)	<0.5 kgm ² h0.5	0.16
Anchoring pull out (BS EN 1881:2006)	<0.6mm @ 75kN	Pass

APPLICATION INSTRUCTIONS

Pozament PLATINUM Rapid precision grout has excellent flow properties which meaning it can be easily pumped or poured into position.

Pozament PLATINUM Rapid precision grout has excellent early strength gain and can be trafficked in 90 minutes. Ensure all surfaces with which the grout will come into contact are clean and dust free. Ideally, concrete substrates should be thoroughly soaked for several hours prior to the grout being applied to reduce suction.

Permeable concrete should be treated with a suitable concrete primer such as Acrylic Primer. Shutters must be impermeable to the passage of water and both strong enough and sufficiently supported to contain the placed grout. When gravity placed, sufficient hydrostatic head must be given, and grout volume maintained to enable the material to flow completely through the void to be filled from one side of shutter only. A minimum 50mm head is recommended. Immediately prior to placement all excess water should be removed. Any grout exposed to wind or drying conditions should be suitably protected, preferably by coating with a wax-free Curing Agent.

Any grout 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 BS8110 Pt. 1 Section 6.

As with all cementitious products, working times can be reduced with higher temperatures.

CLEAN UP

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

PACKAGING AND STORAGE

Pozament PLATINUM Rapid precision grout is available in nominal 25kg sacks, palletised and shrink wrapped.

Palletised Pozament PLATINUM Rapid precision grout 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 6 months in paper bags and 12 months in plastic bags (from the date shown on the bag). Subject to correct storage conditions.

QUALITY CONTROL

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

HEALTH AND 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: specialistproducts@tarmacbp.co.uk

Visit our website: www.tarmac.com

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For more details contact:

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Product Data Sheet