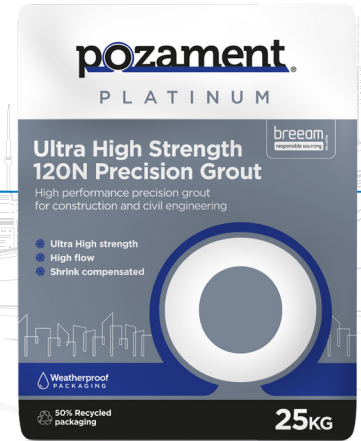


Technical information



Ultra High Strength 120N precision grout



DESCRIPTION

Pozament PLATINUM Ultra High Strength 120N Precision Grout is a pre-blended, specially formulated, shrink compensated, ultra high strength cementitious grout. It is part of the Pozament PLATINUM Grout range to meet the many performance requirements of construction grouting.

USES

Pozament PLATINUM Ultra High Strength 120N Precision Grout has been specifically designed to provide an ultra high strength fluid grout solution for pouring into and under stanchion plates, machine base plates, underpinning, parapet rails, crash barriers, for supporting bridge bearings and for filling ducts in post tensioned and pre-stressed structures.

ADVANTAGES

Pozament PLATINUM Ultra High Strength 120N Precision Grout is ready to use, has an ultra high ultimate compressive strength, good flowability and for large volume applications and can be pump applied.

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 2.0-2.5 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)	2.25 Litres
Workability	30 mins
Positive Expansion	1-3%
Flow ring @ 0 min (40mm h, 65mm d)	190-225mm
Set Density	2300kg/m ³
Grain Size (max)	2mm
Application Thickness	10-250mm
Yield per 25kg	
Kg powder per m ³	2110kg
25kg bags per m ³	85 Bags
Litres per 25kg bag	11.75 Litres

	Compressive Strength	Flexural Strength
1 day	≥ 50 N/mm ²	≥ 8 N/mm ²
7 days	≥ 90 N/mm ²	≥ 10 N/mm ²
28 days	≥ 120 N/mm ²	≥ 13 N/mm ²

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

APPLICATION INSTRUCTIONS

Pozament PLATINUM Ultra High Strength 120N Precision Grout has excellent flow properties meaning it can be easily pumped or poured into position.

Pozament PLATINUM Ultra High Strength 120N Precision Grout has excellent flow retention, but for best results the grout should be placed immediately on completion of mixing. 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 Ultra High Strength 120N Precision Grout is available in nominal 25kg sacks, palletised and shrink wrapped.

Palletised Pozament PLATINUM Ultra High Strength 120N 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 10 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

Tarmac Building Products Ltd.,
Swains Park Industrial Estate, Park Road, Overseal,
Swadlincote, Derbyshire, DE12 6JT

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For more details contact:

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Product Data Sheet