Tarmac
BUILDING PRODUCTS

Uniclass
CI/SfB

pozament

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Product Data Sheet

TARMAC FASTSCREED

FLOORING SCREED AND UNDERLAYMENTS

Description

Tarmac Fastscreed is a specially formulated cement for the site batching of rapid setting and rapid drying floor screeds. **Tarmac Fastscreed** can be used to produce either bonded screeds, unbonded screeds laid onto a Damp Proof Membrane (DPM), or floating screeds. Bay divisions and expansion joints should be incorporated as for standard sand/cement screeds.

Site Batching

Category A Screeds

Where floor finishes are to be laid after 24 hours. Mix 1:3 by volume (approx. 1:4 by weight) : yield approx 55 litres.

Category B Screeds

Where floor finishes will not be laid for at least 3 days. Mix 1:4 by volume (approx 1:5 by weight) : yield approx 65 litres.

Mixing

Mixing of the site batched material should only take place using a forced action type of mixer. Free fall drum mixers are not suitable for mixing semi-dry sand cement screeds and screed pumps are not suitable for this material. Never remix screed that has began to set.

Installation

It is necessary to provide adequate ventilation in the work area but windows and openings must be closed sufficiently to avoid draughts during and after application. Floor and indoor temperatures must exceed 6^{o}C and for one week after the application. The relative humidity of the concrete floor must not exceed 95%.

Rapid Drying and Water Content

Rapid drying of the screed requires a minimum working temperature of 20^{o}C and no excessive water being used at the mixing stage. Use only the required water to produce a workable semi dry screed which should be approximately 6 to 8 litres of water being added to damp sand.

The total overall moisture content should not exceed 11 litres of water per 25kg of **Tarmac Fastscreed** cement. Where the concrete substrate retains moisture which could delay the drying of the screed then **Tarmac Fastscreed** should be isolated from the slab using a suitable damp proof membrane. NB: Low temperatures may retard the rate of drying and hardening.

Sand

The use of up to 5mm down concreting sand or a well graded sand in accordance with a grading limit M to BS882 with no more than 10% by weight of fines passing 0.15mm or 150 microns sieve size.

Application and Thickness

Tarmac Fastscreed should be mixed, placed and compacted in exactly the same way as a conventional sand/screed, with the exception that the working time is reduced to approximately 15 minutes depending upon the ambient temperature conditions. Care should therefore be taken with the quantities of screed to be applied.

Bonded Screeds

Concrete substrates should be shotblasted or scabbled and vacuum cleaned prior to **Tarmac Fastscreed** application. The screed should be laid into a bonded slurry grout using a 1:3 dilution of **Acrylic Primer**.

Minimum Thickness = 30mm

Bonded Screed with DPM

Tarmac Fastscreed can be used with an Epoxy Primer based DPM blinded with 8/16's sand at 1.5 – 1.7kg per m^2 to provide a bonded screed combined as a damp proof membrane. The concrete substrate will require shotblasting and vacuum preparation prior to the application of the Epoxy Primer DPM.

Minimum Thickness = 20mm

Unbonded and Floating Screeds

i) **Tarmac Fastscreed** laid onto applied bitumen damp proof membranes should be regarded as fully unbonded.

Minimum Thickness = 40mm

ii) **Tarmac Fastscreed** laid onto insulation board should be regarded as a floating screed.

Minimum Thickness = 75mm

All walls and columns should be isolated by separation joints or movements should be allowed for by inserting a thin saw cut or trowel cut joint. Bays should be created at approximately 5 x 3 metre maximum using either saw cut or trowel cuts to induce a movement joint thereby reducing shrinkage stresses.
Note: For areas of heavy usage the minimum thickness of Tarmac Fastscreed should be 40mm. For further information please refer to the C & CA publication “Laying Floor Screeds”.

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 Spillages

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

Packaging and Storage

Tarmac Fastscreed is available in nominal 25kg sacks, palletised and shrink wrapped. **Tarmac Fastscreed** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers.

Palletised **Tarmac Fastscreed** 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 when properly stored but could be in excess of 6 months subject to temperature and humidity.

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**
Visit our website: **www.pozament.co.uk**

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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

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