

TECHNICAL INFORMATION

Tarmac Truflow-B

Product Data Sheet: Flooring Screed and Underlayments

DESCRIPTION

Tarmac Truflow-B is a pump or hand applied self-levelling synthetic anhydrite floor screed.

USES

Tarmac Truflow-B is used for sub floor levelling, providing an ideal smooth, flat surface for the application of thin floor coverings, tiles and other specialist finishes and toppings.

Examples of use includes offices, hotels, residential properties and commercial properties

ADVANTAGES

- Minimal cracking and no curling
- No construction joints
- Rapid strength development
- Foot traffic in 24 to 48 hours
- Self compacting
- High final strength
- Rapid application
- Protein free – will not harbour bacteria
- Environmentally friendly

COMPOSITION

A technologically controlled mixture of synthetic anhydrite binder, proprietary additives and carefully selected fine aggregates.

APPLICATION

Tarmac Truflow B can incorporate thermal & acoustic insulation, underfloor heating and electrical services where required, (minimum thickness 25mm).

Tarmac Truflow-B is not suitable as a wearing surface itself or for external or permanently wet areas such as swimming pool surrounds. The building should be weatherproof before screeding. Where applicable (e.g. ground floors) there must be a damp proof membrane below the screed for base. The ambient conditions must be suitable for the drying of

the screed, with low air humidity (60%RH or less) and good ventilation.

On larger applications it may be necessary to dapple the screed with a T-bar in order to obtain the desired surface finish. The dappling should be undertaken in two separate passes. The first pass should be heavy enough to create a small wave in front of the t-bar allowing the **Tarmac Truflow-B** to find its final level. The second pass should be at right angles to the first and also much lighter, allowing the screed to obtain a very smooth surface finish. Dappling of the screed should take place no more than 30 minutes after placing. On smaller applications it is unlikely that the **Tarmac Truflow-B** will require dappling. Due to the screeds high fluidity, a very flat and smooth surface can be achieved without the need for manual levelling. As with all screeds, it is the responsibility of the Designer and Main Contractor to ensure that the base and screed are sufficiently dry prior to laying floor coverings. Moisture in the base will impede the drying of the screed. For unbonded and floating screeds, a DPM grade membrane may be specified between the base and the screed at the discretion of the Designer and Main Contractor. For bonded screeds **Acrylic Primer** is not a DPM.

CURING

No curing is required. **Truflow B** should not be exposed to conditions that accelerate drying whilst hydration is taking place. Exposure to excessive drying conditions can induce plastic cracking.

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

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JOINTS

Movement joints should be incorporated as advised in BS 8204.

This best practice will minimize but not eliminate the risk of cracking due to movement.

FLOOR FINISHES

Whenever a cement based product is to be laid on **Tarmac Truflow-B**, the screed must be dry and primed with **Tarmac Epoxy DPM** or **Tarmac Acrylic Primer**.

WATER INGRESS

Avoid water ingress where possible. If **Tarmac Truflow-B** is saturated for short periods there will be no permanent loss of strength once it has dried out.

RESIDUAL MOISTURE CONTENT

Before floor finishes are laid the moisture content of the screed should be checked by the floor finishing contractor.

At a thickness of 30mm, the ambient temperature of 20°C and with good ventilation, **Tarmac Truflow-B** should reach a moisture content of 0.5% within 30 days. Forced drying of **Tarmac Truflow-B** is possible if required. After 7 days, heaters and dehumidifiers may be employed to give good drying conditions.

THERMAL AND ACOUSTIC FLOORING

Tarmac Truflow-B can be laid as a floating construction over most types of rigid insulation board or acoustic foam at a minimum thickness of 35mm. This offers significant weight and floor to ceiling height benefits over traditional cement and sand screeds at 65mm. Also no reinforcement is required in **Tarmac Truflow-B** screed.

UNDERFLOOR HEATING

Tarmac Truflow-B is very well suited for underfloor heating applications since it is laid much thinner than traditional screeds with only 25mm cover over the pipes or wires being required. This enables the system to release heat much more quickly and efficiently in response to the user requirements.

Good compaction around the heating pipes is assured due to the flowing nature of the screed, eliminating voids and air pockets which are common with traditional screeds.

CAVITY FLOORING

Tarmac Truflow-B can be used in conjunction with cavity floor systems to provide a solid jointless surface with high load bearing capability whilst

accommodating a range of cable management and air conditioning options through the provision of a continuous under floor cavity.

TYPICAL PERFORMANCE

Wet Density	2200kg/m ³		
Pot Life:	15 minutes ⁽¹⁾		
Flow Ring Values:	230 - 250mm (65mm Ø, 40mm High Flow Ring)		
Water Content:	17-20% until desired flow ring result is achieved.		
Hardened Properties:			
Compressive and Flexural Strength N/mm ² (air cured at 20°C) EN 196 Mortar Prisms			
Compressive Strength (N/mm²)	Flexural Strength (N/mm²)		
28 days	30	28 days	7
Shrinkage		0.02%	
Foot Traffic		24-48 hours ⁽¹⁾	

⁽¹⁾Dependant on temperature and humidity

STANDARDS

Installation should be carried out in accordance with the relevant sections of the code of practice BS EN 8204.

QUALITY CONTROL

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

PACKAGING AND STORAGE

Hi-Flow Renovation is available in nominal 25kg sacks, palletised and shrink wrapped. **Hi-Flow Renovation** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers.

Palletised **Hi-Flow Renovation** 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.

SPECIFICATION WRITING SERVICE

Tarmac are able to provide specification clauses for the use of Hi-Flow Flooring Systems, please contact our sales office for more information.

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

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**

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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 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.

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