

## TARMAC TRUFLOW - B

### 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.

### ADVANTAGES

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

### TYPICAL PERFORMANCE

Wet density (approx)	2,200kg/m <sup>3</sup>
Dry density (approx)	2,000kg/m <sup>3</sup>
Flow ring test: 65mm dia 40mm High Flow Ring	230-250mm
Water Content:	17-20% until desired flow ring figure of 230-250mm is achieved
Foot traffic (depending on ambient temperature and relative humidity).	24 - 48 hours
Compressive strength @ 28 days approx.	30N/mm <sup>2</sup>
Flexural strength @ 28 days approx.	4 - 6N/mm <sup>2</sup>
Drying movement	<0.02%
Water Ingress: Avoid where possible. If saturated for short periods, no permanent loss of strength (once it has dried out).	

Yield:	Area m <sup>2</sup>	Thickness	No. of 25kg Bags	Total Weight (dry powder)
5m		25mm	8.5	212.5kg
		50mm	17	425kg
		100mm	34	850kg
10m		25mm	17	425kg
		50mm	34	850kg
		100mm	68	1700kg
20m		25mm	34	850kg
		50mm	68	1700kg
		100mm	136	3400kg

### COMPOSITION

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

### APPLICATION

Suitable for most commercial and domestic buildings e.g. hospitals, prisons, airports, shopping centres, offices, hotels, theatres, flats and houses as a levelling layer prior to installation of floor finishes. 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 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 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.

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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 Tarmac Primer is not a DPM.

## CURING

No curing is required. The floor should not be subjected to severe draughts, direct sunlight or heating for the first 72 hours.

## JOINTS

Control joints are only required where continuous areas exceed 40 metres in length.

## FLOOR FINISHES

Whenever a cement based product is to be laid on the **Tarmac Truflow-B**, the screed must be dry and primed with an epoxy or polyurethane primer or an acrylic polymer primer recommended by the manufacturer of the product.

## RESIDUAL MOISTURE CONTENT

Before floor finishes are laid, the moisture content of the screed should be checked by the floor finishes contractor. The European standards for testing anhydrite screeds recommended the CM (Carbide Method) of testing.

Typical requirements will be for a maximum of:

1% w/w for moisture permeable coverings (e.g. carpet tiles)

0.5% w/w for impermeable coverings (e.g. vinyl)

These figures equate approximately to 80% RH and 75% RH.

The British Standard for testing a base to receive a resilient floor covering is to use a hair hygrometer. This provides a non-destructive test and when tested strictly to the method defined in BS8203:1996 will give reliable results on **Tarmac Truflow-B** for RH near to 75% (which is generally the required limit for floor finishes).

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 & 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.

## UNDER FLOOR 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.

## HEALTH & SAFETY

See separate health and safety data sheet reference number 80/24A.

## QUALITY CONTROL

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

## PACKAGING, STORAGE & SHELF LIFE

**Tarmac Truflow-B** is available in nominal 25kg sacks, palletised and shrink wrapped. **Tarmac Truflow-B** may also be available in Intermediate Bulk Containers. **Palletised Tarmac Truflow-B** should be stored in cool dry areas, clear of the ground, sheeted or under cover, and stacked not more than 2 pallets high.

The product should be used on a first in – first out basis. Shelf life is minimum 3 months when properly stored and could be in excess of 6 months subject to temperature and humidity.

## INFORMATION PRICES & ORDERING

For ordering contact: 01283 550060.

Fax: 01283 550486.

For all other enquiries contact: 01283 554800.

NB: Please give not less than 48 hours notice.

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