

# TIBMIX

## Pre-blended metallic dry shake floor topping



TECHNICAL DATA SHEET PUBLISHED APRIL 2011

### PRODUCT FEATURES

**Tibmix** is a non-oxidizing, chemically inert, metallic dry shake floor topping for monolithic floors. The product contains a blend of specially graded aggregates, additives and Ordinary Portland Cements. Tibmix can also be used to suppress steel fibres in concrete floors.

Coloured versions of Tibmix are also available which contain a high quality, durable pigment.

When trowelled into freshly laid concrete, Tibmix produces a dense, tough, abrasion resistant surface suitable for most industrial floors. The product is designed for application either by hand or using automatic spreading equipment.

Abrasion resistance conforms to BS EN 13892-4 AR0,5 (Special Class)

Tibmix should be used in conjunction with **Setseal 6** polymer curing membrane/sealer/hardener.

### MATERIALS SUPPLIED

25kg polythene-lined paper sacks.

### COVERAGE

Recommended application rate of 5.4 kg/m<sup>2</sup> depending on application - please contact our Technical Department.

### STORAGE

Store under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught.

When stored as above, and used within 9 months of the date shown on the packaging, the activity of the reducing agent added will be maintained and the mixed product will contain no more than 0.0002% (2ppm) soluble chromium (VI) on the total dry weight of the cement.

### SHELF LIFE

9 months in unopened bags stored under good conditions.

### APPLICATION INSTRUCTIONS

#### BASE CONCRETE

The base concrete should be a minimum grade C40 with a cement content no less than 325 Kg/m<sup>3</sup> and should be placed in accordance with good concrete practice. The water: cement ratio should be kept to the minimum needed to produce a fully compacted concrete without

excess surface water. Should free water be present at the surface this should be allowed to evaporate or brushed away, before the application of Tibmix.

### APPLICATION

Broadcast the Tibmix evenly over the surface of the base concrete. Where manual trowelling is involved, application in two stages is recommended. The first stage should be to apply two thirds of the coverage rate of Tibmix following removal or evaporation of surface bleed water. Immediately after this stage Tibmix should be trowelled in, either by hand or using a power float (pan fitted to blades). Stage two is to apply the remainder of the coverage rate and to repeat trowelling. For large floor constructions Tibmix can be spread and trowelled satisfactorily in one stage by mechanical means.

When the surface has sufficiently stiffened (usually about two hours from the first trowelling), a second trowelling should be carried out to close any pores and remove surface undulations. Further treatment may be necessary to remove disc marks and to achieve the final finish required.

### TECHNICAL INFORMATION

BS EN 13813 Designation	CT-C80-F10-AR0,5	
Compressive Strength (N/mm <sup>2</sup> )* (BS EN 13892-2) 28 Days	> 80.0	
Flexural Strength (N/mm <sup>2</sup> )* (BS EN 13892-2) 28 Days	> 10.0	
Abrasion resistance (BS EN 13892-4)	AR0,5 (Special Class)	
Slip resistance (BS EN 13036-4)	Dry Wet	70 37
BRE Screed Test	0.5 mm	

\* Using a water addition 2.2 litres per 25 kg of Tibmix



## CLEANING

All equipment and tools should be rinsed with water immediately after use and then dried.

## CURING, HARDENING & SEALING

After final trowelling is complete, Setseal 6 (see appropriate data sheet) should be applied by spray taking care to avoid any puddling.

The use of polythene sheeting is not recommended as this can cause blooming of the surface, particularly with coloured Tibmix.

## JOINTS

Floor expansion joints should be formed using a polyurethane joint sealant.

Saw cut contraction joints may be filled with a polyurethane sealant or if a harder seal is required, **Quickmast 104** flexible epoxy resin (see appropriate data sheet).

## WORKING CONDITIONS

Application of both the Tibmix and Setseal 6 should be carried out in as clean and protected an environment as possible.

## HEALTH & SAFETY

Consult the appropriate Material Safety Data sheet prior to using Tibmix.

## GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

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### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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