

TIBMIX 500

Pre-blended quartz/metallic dry shake floor topping



DESCRIPTION

TIBMIX 500 is a non-oxidising, chemically inert, quartz/metallic dry shake floor topping for monolithic floors. The product contains a blend of specially graded aggregates, additives and cements.

TIBMIX 500 can also be used to suppress steel fibres in concrete floors. Coloured versions of TIBMIX 500 are also available which contain a high quality, durable pigment.

TIBMIX 500 should be used in conjunction with Setseal 6 polymer curing membrane/sealer/hardener..

APPLICATIONS

- » Parking areas.
- » Warehouses.
- » Workshops.
- » Service stations.
- » Aircraft hangars.

ADVANTAGES

- » Highly resistant to wearing and abrasion.
- » Reduces surface dust.
- » Premixed, ready to use.
- » Can be applied by hand, or using automatic spreading equipment.
- » Coloured versions contain a high quality, durable pigment.
- » Maintains the anti-static characteristics of the concrete surface.
- » Compatible with concrete mixes regardless the type of water reducing admixture used (PC, Ligno or SNF).

STANDARDS

TIBMIX 500 complies with BS EN 13813, Class CT-C80-F7-AR0.5.

METHOD OF USE

SUBSTRATE PREPARATION

The base concrete should be a minimum grade C30/37 with a cement content no less than 325 kg/m³ 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 500.

TECHNICAL PROPERTIES:

Compressive strength*: BS EN 13892-2	> 80 N/mm ² @ 28 days
Flexural strength*: BS EN 13892-2	> 8 N/mm ² @ 28 days
Abrasion resistance: BS EN 13892-4	AR0.5 (Special Class)
Slip resistance: BS EN 13036-4	Dry 83 Wet 39
BRE Screed test:	0.6 mm

** Using a water addition 2.2 litres per 25 kg of TIBMIX 500*

APPLICATION

Broadcast the TIBMIX 500 evenly over the surface of the base concrete. Where manual trowelling is involved, application in two stages is recommended.

The first stage should be apply two thirds of the coverage rate of TIBMIX 500 following removal or evaporation of surface bleed water. Immediately after this stage TIBMIX 500 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 500 can be spread and trowelled satisfactorily in one stage by mechanical means.

CURING, HARDENING & SEALING

After final trowelling is complete, Setseal 6 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 500.

JOINTS

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

Saw cut contraction joints may be filled with a polyurethane sealant Flexseal PU440 or if a harder seal is required, Quickmast 104 flexible epoxy resin.

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TIBMIX 500

CLEANING

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

PACKAGING

TIBMIX 500 is available in 25 kg bags.

COVERAGE

Recommended application rate of 3 - 5 kg/m² depending on application.

STORAGE

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

When stored as above and used within 12 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% (2 ppm) soluble chromium (VI) on the total dry weight of the cement.

TIBMIX 500 has a shelf life of 12 months from date of manufacture if stored in proper conditions in its original unopened bags. Store under good conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

Application of both the TIBMIX 500 and the Setseal 6 should be carried out in as clean and protected an environment as possible.

For further information refer to the Material Safety Data Sheet.

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- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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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.