



TIBMIX

Pre-blended metallic dry shake floor topping

TECHNICAL DATA SHEET
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PRODUCT FEATURES

Tibmix is a non-oxidising, chemically inert, metallic dry shake floor topping for monolithic floors. It contains a blend of specially graded Betonac aggregate and ordinary portland cements. Coloured versions of Tibmix are available which also 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 by hand or using automatic spreading equipment.

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

Floors constructed using Tibmix with Setcrete 6 meet the requirements of BS8204 special class. Copies of an independent test report are available on request.

MATERIALS SUPPLIED

25Kg polythene-lined paper sacks.

COVERAGE

Recommended application rate 5.4 Kg / m². For further application rates 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 6 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

6 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 325Kg / m³ and should be placed in accordance with good concrete practice. The water:cement ratio should be kept to a minimum consistent with the need 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 of Tibmix

The Tibmix should be broadcast evenly over the surface of the base concrete. Where manual trowelling is involved, application in two equal stages is recommended. Immediately after each stage trowel in the Tibmix, either by hand or using a power float.

For large floor constructions Tibmix can be spread and trowelled satisfactorily in one stage by mechanical means.

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

CLEANING

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

CURING, HARDENING & SEALING

After final trowelling is complete, Setcrete 6 should be applied by spray taking care to avoid any puddling. (See relevant data sheet)

Where a spray-applied polymer curing membrane is not specified, the surface may be cured using **Setcrete 8**. Appropriate measures should be taken to prevent the surface from drying out too rapidly. (See relevant data sheet)

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



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JOINTS

Floor expansion joints should be formed using **Quickmast Joint Sealant**.

Sawcut contraction joints may be filled with Quickmast Joint Sealant, or if a harder seal is required, **Quickmast 104** flexible epoxy resin (see relevant data sheets).

WORKING CONDITIONS

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

HEALTH & SAFETY

Consult the appropriate Material Safety Data sheet before 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.

TECHNICAL INFORMATION

Abrasion resistance

The Tibmix / Setcrete 6 system meets the requirements of BS8204 Special Class with typical wear values of 0.01 mm (see Concrete Society Technical Report No. 34 2nd Edition). Copies of an independent test report are available on request.

Slip resistance

When measured with the TRL Pendulum Tester fitted with a 4-S rubber slider, a typical new Tibmix floor gave a value of 65 when dry. The anti-slip properties of such floors will be determined by the conditions of the final power floating and will change with the conditions of use.

The use of chemical etching or light grit blasting is recommended for areas that will be in a permanently wet condition.

Anti-static properties

Conforms to the requirements of Table 2 of BS2050: 1978, which specifies the requirements for anti-static industrial and hospital flooring.



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