



KEY BENEFITS AND FEATURES

- Select hard wearing aggregates blended with high performance binders ensures an extremely abrasion resistant topping for concrete floors.
- This dry shake system is worked into the concrete base eventually ensuring that the topping forms a monolithic part of the flooring.
- Forms into a dense and hard wearing topping that greatly reduce oil/ grease penetration.
- Does not rust, stain or disintegrate like metallic floor hardeners.
- The surface is also non-slip.
- Comes in a pre-mixed pack that is easy to apply.

USAGE

- Tec[®] Floor Z can be used for both indoor and outdoor floors.
- The treated surface is capable of handling heavy traffic and can be used for parking lots and loading bays.
- Ideal floor treatment for schools, commercial complexes, pavements and recreation areas.
- Perfect floor topping system for industries with heavy duty traffic, textile units with continuous trolley movement, warehouses and production areas with intense activity.
- Tec[®] Floor Z can be used while re-topping worn out floors.

DIRECTIONS FOR USE

Base Concrete

A Maximum Slump of 125 mm (5") should be specified for floors. The concrete should be laid and compacted neatly to ensure a neat finish. Concrete should be plasticized to reduce shrinkage through water reduction. The minimum cement content for a good interior exposed floor finish is 300 Kgs/M³

Spread Rate

Nature of Traffic Rate	Duty	Recommended Spread
Light Trolleys/mild forklift movement	Light	2.5 kg / M ²
Medium Trolleys/forklift movement	Medium	3.5 kg / M ²
Heavy Trolleys/forklift movement- frequent	Heavy	5 kg / M ²

Application:

The floor concrete should be laid in bays and the required quantity of Tec[®] Floor Z should be kept ready. Spreading of Tec[®] Floor Z can begin when the floor concrete has attained 60-70% stiffening (when small imprints are formed when pressed by hand). In the first stage of application 60 to 70% of Tec[®] Floor Z should be spread over the base concrete that has attained initial stiffening. This surface should be leveled with the power trowel fixed with a disc. Immediately after leveling course has been applied the remaining quantity may be spread. Finishing course may be carried out with the power trowel fixed with blades when the concrete surface has reached sufficient stiffening. Timing of the spread and trowelling are vital for high-quality results. The water content in the base concrete should be optimum to draw in the dry shake hardener. Excess water in the base concrete will wash down the binders and cause improper spread of aggregates. While, lack of sufficient moisture in the base concrete will cause improper bond and will also result in cracking.



Certified:
ISO 9001 (QMS) & ISO
14001 (EMS)



Old Floors

In case of re-topping of old floors the topping concrete should have a minimum thickness of 25mm. An appropriate bonding agent should be applied over the old floor.

POST APPLICATION

Curing must be started as early as possible and be completed continuously without interruption in order to achieve good surface durability. Curing membranes must be applied at the correct coverage rate. Wet curing is ideal and must be completed without intermittent drying.

CLEANING

Tools and equipments should be cleaned with water when the mix is in uncured state. Cured mix can only be removed mechanically.

PRECAUTIONS

Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. In case of accidental eye contact thorough water washing is advised. This should be followed up with professional medical assistance.

TECHNICAL DATA

Physical State	Powder
Hardness of Aggregates	Above 9 on Moh's scale
Compressive Strength	55N/mm ²
Initial Cure	24 hours
Final Cure	7 days
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Colour	Grey

PACKAGING

Available in: 25Kgs

OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems and Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET
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