

## TECHFIN CONCRETE DRY SHAKE

### A NATURAL AND COLOUR AGGREGATE CONCRETE FLOOR HARDENER

#### DESCRIPTION

TECHFIN CONCRETE DRY SHAKE natural and colours are specially graded inert quartz aggregates combined with blended cements, water absorbing agents and other proprietary additives. The hard wearing quartz aggregate has high abrasion resistance characteristics and is non-oxidizing and chemically inert.

#### ADVANTAGES

- Applied by dry shake method onto fresh concrete
- Considerable improvement in floor durability
- Reduced maintenance
- Reduced permeability

#### APPLICATIONS

TECHFIN CONCRETE DRY SHAKE provides one of the hardest wearing non-dusting floor surfaces in the following typical locations / facilities.

- Abattoirs, cold rooms
- Bakeries, kitchens
- Breweries, food processing plants
- Factories, laboratories
- Garages, workshops
- Loading Bays
- Warehouses, storerooms

#### DIRECTIONS

Base Concrete: The concrete should be designed to a minimum of 25 - 30MPa with  $\pm$  65mm slump. Place concrete and strike off to specified level. Level and consolidate with pipe, bull float or power trowel with the blades flat. If bleeding occurs, remove all bleed water from surface prior to application.

Hand or machine floating: TECHFIN CONCRETE DRY SHAKE should be applied when the base concrete is sufficiently firm to take the weight of

both workman and power float leaving foot prints no greater than 3mm in depth. It is essential that no free standing water is evident.

DO NOT DELAY application when this point has been reached. Apply 2/3 of the specified shake amount and carry out the first power or hand trowel operation, repeat the operation with the remaining 1/3 at right angles to the first. Ensure that the first stage is completely troweled-in before continuing with the second stage. When the sheen begins to leave the surface, carry out power troweling to close the pores and completely level the surface.

Initially the power float blades should be set flat or at a slight angle and as the surface continues to stiffen, the angle of the blades should be increased. When troweling, do not add water to the surface for finishing purposes. Curing should be carried out immediately when the final troweling operation has been completed with TECHFIN ACRYLIC CURE Concrete Curing Compound. Protect all surfaces from traffic until the surface has gained full strength.

JOINTS: Saw cut joints should be cut at  $\pm$  5mm wide and 25% in depth of the surface bed thickness. These joints should be cleaned immediately with water and compressed air and left open for at least 28 days before sealing. Cuts should be made as soon as is practically possible without spalling the cut joint.

#### APPLICATION RATE

Light Traffic: 3-4 Kg/m<sup>2</sup>  
Medium Traffic: 5-7 Kg/m<sup>2</sup>  
Heavy Traffic: 8-10 Kg/m<sup>2</sup>

**PACKAGING:** 25Kg polywoven bags

### PRECAUTIONS

- Maximum concrete slump should be 75mm.
- Do not apply over concrete containing calcium chloride or where concrete contains more than 3% entrained air.
- Do not cure with salt water or brackish water.
- Never apply over bleed water.
- Be aware of concrete susceptible to delayed bleeding
- With TECHFIN CONCRETE DRY SHAKE colours, shake on as evenly as possible to get a uniform colour.

### TECHNICAL DETAILS

Colour: Natural and various colours  
Appearance: Cementitious powder  
Strength: 60MPa at 28 days  
Storage Life: 1 year in a cool dry place

### STORAGE

Store under cover in a cool dry place away from direct sunlight and extreme temperatures. Failure to comply with the storage conditions may result in premature deterioration of the product and or packaging.

#### Gauteng

#### Kwa-Zulu Natal

#### Western Cape