

# CEMTEC DRY SHAKE EMERY

## MONOLITHIC SURFACE HARDENING COMPOUND

**CEMTEC DRY SHAKE EMERY** provides abrasion and impact resistance surfaces and exhibits an extremely hard wearing surface. **CEMTEC DRY SHAKE EMERY** can be used on any floor surfaces which are subjected to heavy abrasive use. This includes loading areas, car parks, warehouse floors, machine shops, automobile show rooms and service centres.

### ADVANTAGES

- **WEAR RESISTANT** - The use of **CEMTEC DRY SHAKE EMERY** increases the wear resistance over normal concrete floors.
- **SLIP RESISTANT** - **CEMTEC DRY SHAKE EMERY** has excellent non-slip properties which allow the materials to be used in wet areas.
- **OIL AND GREASE RESISTANT** - excellent resistance against oil and grease.
- **NON-METALLIC CHEMICAL INERT AGGREGATE** - The material does not rust in wet areas.
- **APPLICATION** - Ready to use, eliminates mixing and is easy to apply, user friendly.
- Contains extremely hard wearing aggregate which exceeds requirement of aluminium oxide as emery content is greater than 56%

### PROPERTIES

**HARDNESS (MOH'S SCALE)**

**CEMTEC DRY SHAKE EMERY** - Emery based aggregate exhibits a hardness value of 9 on MOHS Scale.

### PHYSICAL PROPERTIES:

Polish Stone Value	68
Aggregate Impact Value	8
Aggregate Abrasion Value	1.9
Aggregate Crushing Value	8.2

Emery Content - 65% Aluminum Oxide.  
Compressive Strength (Typical 28 day) - 70N/mm<sup>2</sup>  
(ACI 302)

### APPLICATION

- Place concrete between screed points and strike off to level of finished floor.
- Use float or darby to level surface. To remove excess water, drag surface with burlap or a rubber hose.
- After the concrete has stiffened somewhat, open the surface by floating with hand wood or power float.
- For best results and uniformity of thickness, **CEMTEC DRY SHAKE EMERY** should be applied in two shakes, using approximately two thirds of the total amount for the first shake.
- First **CEMTEC DRY SHAKE EMERY** shake: Immediately after the surface has been opened floating, apply the first shake when the screed slab is free of surface water and has set to a degree that when a man stands on the slab he leaves footprints about 3 - 5 mm deep.
- Allow the first shake to remain unworked on the surface until it has absorbed moisture and is of uniform color. Then float with hand wood or power float. Immediately after, apply second shake at right angles to the first one, making application to the edges first.
- After second shake has absorbed its moisture, float in the same manner as outlined above, working the edges then cross floating for a level surface.
- Final Steel Trowelling. When the surface has set sufficiently so that no additional water or fines are brought to the surface, a second and final trowelling should be given to the floor. During this operation, the trowel should be slightly raised to give a hard and smooth finish.

### APPLICATION NOTES

Please note that the timing of the application is important. Application should not be made too early, as excess water will be absorbed, which will result in lower strength and the floor will be subjected to dusting. In addition, the **CEMTEC DRY SHAKE EMERY** may migrate from the surface. Avoid late application due to insufficient moisture being available to complete hydration process.

Edges that will be subjected to heavy traffic or wear should be given additional protection. In order to achieve this, apply **CEMTEC DRY SHAKE EMERY** 75 - 150 mm wide along edges. Steel trowel into the surface.

#### **COVERAGE RATES :**

**CEMTEC DRY SHAKE EMERY** is applied at different rates per square meter to ensure the floor surface is suitable for various industrial uses.

Heavy Traffic - 7 kg per sq. meter  
Medium Traffic - 5 kg per sq. meter  
Light Traffic - 3 kg per sq meter.

#### **CURING AND SEALING**

The following products are recommended for curing and sealing **CEMTEC DRY SHAKE EMERY**.

CEMTEC KURE N SEAL  
KUREKOTE DR  
CEMTEC SILHARD

We highly recommend the use of curing compound to ensure that concrete which has been treated with **CEMTEC DRY SHAKE EMERY** is thoroughly cured, as it is essential to the physical properties of the floor.

#### **COLOURED FLOOR**

We recommend that if a coloured floor is required, an area of the floor should be subjected to a trial application of coloured **CEMTEC DRY SHAKE EMERY**.

#### **READY TO USE**

**CEMTEC DRY SHAKE EMERY** is a ready to use product, therefore, no additives or cement should be added to the product.

#### **PACKING**

**CEMTEC DRY SHAKE EMERY** is packed in 25 kg bags.

#### **QUALITY STATEMENT**

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.