

# CAP DRYSHAKE HARDENER

## NON METALIC MONOLITHIC DRY SHAKE HARDENER

### DESCRIPTION

**CAP DRY SHAKE HARDENER** is a quality controlled, factory blended powder, developed for dry on wet applications on new cementitious industrial floors. The mix consists of a unique blend of hydraulic binder, combination of admixture, wetting agent and wear resistant aggregates.

The wetting agent present in the mix makes **CAP DRYSHAKE HARDENER** application easier and faster providing a monolithic bond between the wet concrete and the dry applied powder. The resultant topping is far stronger and denser than normal concrete.

### STANDARD /APPLICABLE TEST METHOD

ASTM C-109, BS 8204 Part-2

### COLOUR

Cement grey.

### USES

**CAP DRYSHAKE HARDENER** is used to improve the surface quality of concrete by applying the dry powder to the wet concrete. It is suitable for both interior and exterior application.

The fields of application includes foundries, warehouses, workshops, processing plants, distribution facilities, loading platform, parking areas etc.

### ADVANTAGES

- Premixed; ready to use.
- High hardness.
- High resistance to impact and abrasion.
- Non-rusting.
- Anti slip finish.

### PROPERTIES

|  |   |
|--|---|
| Average compressive strength based on 0.1 w/p ratio and 50mm cubes | $\geq 700 \text{ kg/cm}^2$ (28 days)  |
| Wear resistance  | Extremely hard wearing and abrasion resistant. (complies with relevant sections of BS 8204 Part 2.) |
| Chemical resistance  | Will resist motor oils and mineral oils.  |
| Aggregate hardness at Moh,s Scale                                  | $\geq 7$  |

Industrial floor surfaces treated with **CAP DRYSHAKE HARDENER** are resistant to water, oil, solvents, detergents and salt. Correctly prepared surface are dust free with a high wear resistance.

### APPLICATION INSTRUCTIONS

#### Base concrete:

Use a placable and finishable concrete mix of required strength design, non-bleeding with a minimum slump of 75mm and not more than 3% entrained air.

#### Application:

**CAP DRY SHAKE HARDENER** is applied to the surface in the form of two to three shakes. Each shake is being floated using power equipment. The surface is then power trowelled and hand trowelled where required to a satisfactory finish.

#### First shake:

As soon as the concrete is trowelled and free of surface water, apply the first shake of **CAP DRYSHAKE HARDENER** . Use upto 2/3 of the total shake mix in the first application. Treat areas adjacent to walls and columns first.

Spread the material evenly by sprinkling at right angles in two pass close to floor level. Do not broadcast from a stationary position to avoid the uniform distribution of the hardener.

#### First floating:

Float the applied shake promptly over work wall, column and door areas first. Avoid excessive floating, but ensure shake application is completely wetted and incorporated into the base slab.

#### Second shake/floating:

Follow second floating immediately behind first floating. Employ the balance of the material, follow promptly with second power floating. A third power floating may follow for added compaction, if required.

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### Note:

If coarse non-slip finish is required, do not proceed with further floating or trowelling operations after second floating, but allow the surface to cure.

### Power trowelling:

Proceed with power trowelling by setting trowel blades at flat angles as soon as the floor surface begins to lose moisture, sheen and stiffness. As floor stiffens further, proceed with second trowelling with trowel angle raised. Eliminate trowel marks, pinholes or any other flaws.

### Curing:

CAP DRYSHAKE HARDENER is a cementitious material and a good curing practice has to be adapted. The most efficient method of curing is to use a curing compound, recommended CURACOAT-P or CURACOAT-R. Protect finished floor against damage by traffic or other means.

### Cleaning:

CAP DRYSHAKE HARDENER should be removed from tools and equipment immediately after use.

### COVERAGE

CAP DRYSHAKE HARDENER is applied at different rates per square meter to provide floor surface suitable for different types of exposure.

Application Rate

For light to moderate duty : 3 to 5 kg/m<sup>2</sup>.

For moderate to heavy duty : 5 to 8 kg/m<sup>2</sup>.

### PACKAGING

CAP DRYSHAKE HARDENER is supplied in 20kg bags.

### STORAGE

CAP DRYSHAKE HARDENER should be stored over pallets in a cool dry place. Shelf life will be 12 months in unopened bags.

### SAFETY PRECAUTIONS

CAP DRYSHAKE HARDENER does not contain toxic materials. Care should be taken to avoid inhalation of dust and to prevent material entering into eyes.

### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note :** The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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