

Strength engineered. Excellence delivered.

POWDER FLOOR HARDENER

QUARTZ BASED DRY SHAKE FLOOR HARDENER

Adhveya Powder Floor Hardener is a premium quartz based dry shake floor hardener designed to provide high strength, abrasion resistant and durable concrete floors. It enhances the surface performance and offers excellent resistance to wear, impact, oil, grease and chemicals making it ideal for heavy duty industrial applications.



HIGH STRENGTH & HIGH ABRASION RESISTANCE



WATERPROOF & NON-POROUS SURFACE



RESISTANT TO OIL & GREASE



EASY APPLICATION



NON-CORROSIVE & RUST FREE



RANGE OF STANDARD COLOURS



HIGH STRENGTH & DURABILITY

Quartz based formulation for superior strength and long-lasting performance.



HIGH ABRASION RESISTANCE

Dense, hard wearing surface resists heavy traffic, impact and wear.



CHEMICAL & OIL RESISTANT

Resistant to oils, grease and many industrial chemicals.



EASY TO APPLY & FINISH

Simple dry shake application with excellent workability and finish.



**PACKAGING
25 KG BAG**



INDUSTRIAL FLOORS



WAREHOUSES



AUTOMOTIVE PLANTS



CAR PARKS



STEEL MILLS



POWER STATIONS



DEPARTMENT STORES



LOADING / UNLOADING AREAS

POWDER FLOOR HARDENER

QUARTZ BASED DRY SHAKE FLOOR HARDENER



SURFACE PREPARATION

Concrete should be placed and levelled in accordance with good concrete practice.

Application should begin when the concrete has hardened to the point when thumb pressed hard onto the surface leaves a 'print' of about 3-6 mm depth. Any bleed water should have evaporated, but the concrete should have a wet sheen.

On large areas, work continuously behind the laying team to ensure immediate application at the correct time.



CURING

Proper curing is essential to achieve the physical properties of the finished floor.

Cure the treated surface for at least 14 days using Adhveya Curing Agent WB (water based) or with water. Wet hessian or ponding method may be used where suitable.



PRECAUTIONS

- Apply at temperatures between 5°C and 45°C.
- Do not apply in rain or windy conditions.
- Avoid application in direct sunlight.
- Do not use water for finishing.
- Not suitable for areas exposed to acids or their salts.
- Do not use on concrete containing calcium chloride or with excessive air entrainment.



TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTY	TYPICAL RESULTS
Compressive Strength	>75 MPa at 28 days
Abrasion Resistance	300% increase compared to Grade N40 concrete
Mohs Hardness	>7.5
Appearance	Grey powder
VOC Content	Nil

*The above properties are average laboratory values



PACKING

Adhveya Powder Floor Hardener is available in 25 kg bags.



SHELF LIFE

12 months when stored in factory unopened packs, stored in a cool dry and elevated place away from direct sunlight.



THEORETICAL COVERAGE/YIELD

3-7 kg/m² depending upon the areas of application and traffic movement.



APPLICATION

Apply Powder Floor Hardener in two stages for best results. Do not add water during application or finishing.



1

BROADCAST (1ST APPLICATION)

Broadcast 2-3 kg/m² of the product evenly over the fresh concrete surface.



2

FLOAT

When the product becomes uniformly dark by absorbing moisture, float using wood float or power float.



3

BROADCAST (2ND APPLICATION)

Immediately apply the remaining material uniformly at right angles to the first application.



4

FINAL FINISH

After moisture absorption, float again and finish using the blades of power float to achieve a smooth, dense finish.



- Do not overwork the surface.
- Ensure adequate manpower, equipment and material to complete the entire area while sufficient moisture is available to react and provide a good dense finish.
- Do not add water at any stage.
- Extra protection to edges & joints: Immediately after leveling, apply an additional 0.5 kg/linear meter in a 100 mm wide band along bay edges and hand-trowel into the surface.



STORAGE

Store in a cool, dry place away from direct sunlight and moisture.



TECHNICAL SUPPORT

Adhveya offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.



HEALTH & SAFETY

Wear protective gloves, goggles and suitable clothing during application. Avoid contact with skin and eyes. In case of contact, flush with plenty of clean water and seek medical advice if irritation persists.



AVAILABLE COLOURS



NATURAL GREY



GREEN



RED



YELLOW

*Actual colours may vary slightly due to printing. Please refer to actual sample.



MANUFACTURED BY:

ADHVEYA DRYMIX INDIA PVT LTD

KUBER INDUSTRIAL PARK
VALSAD, GUJARAT, INDIA



adhveya@gmail.com



www.adhveya.com | www.adhveya.in