

PRODUCT DESCRIPTION

PLEKO DRYSHAKE 143 is a ready to use factory premixed floor hardener used in the finishing of concrete or screeds. It consists of finely graded non-metallic aggregates, plasticizer, high quality binder, pigments and special additives to provide continuous protection to concrete floors against wear, impact, and abrasion and a high resistance to various industrial chemicals, oils, and greases...

PLEKO DRYSHAKE 143 is designed to improve performance of all concrete floors, increase their durability and non-dusting property in one economical operation.

USES

PLEKO DRYSHAKE 143 can be used for both interior and exterior floors subject to abrasion such as car parks, warehouses, loading areas, industrial floors, shipyards, machine shops etc.. PLEKO DRYSHAKE 143 can be applied to freshly laid concrete as a dry powder or as a slurry "Fresh on Fresh"

COLOR

Natural cement color, also available in non-fading colors upon request

PACKAGING

25Kg Bags or 1-1.5 Tons Jumbo Bags.

COVERAGE

As DryShake

For light traffic: 3-4 kg/ sqm

For medium traffic: 4-6 kg/ sqm

For heavy traffic: 6-8 kg/sqm

As a Slurry

12 kg/m² 'fresh on fresh' topping

PROPERTIES

- **Factory Controlled Quality**
- **Easy to use**
- **Economical**
- **Hard Wearing**
- **Non Dusting**
- **Non Rusting**
- **Slip Resistant**
- **Oil and Grease Resistant**
- **Maintenance free, long life performance**

TECHNICAL DATA

Appearance	Free-flowing Grayish powder
Bulk Density (Kg/L ± 0.5)	1.6
Compressive strength (N/mm)	≥70
Hardness (Moh's scale)	≥8
Chemical Resistance	Resistant to motor oils and grease, various industrial chemicals, sea water..

SHELF LIFE

12 Months; once opened the contents of a bag must be used immediately.

STORAGE

Store in cool, dry, well-ventilated area, clear of the ground, protected from rain freeze, heat and direct sunlight, in tightly sealed original bag.

INSTALLATION

MIXING

Ready to use product, no additive or cement should be added.

CONCRETE QUALITY

New concrete should be formulated with minimum cement content of 300 kg per m³ of concrete and with an aggregate suitable for the intended purpose. Plasticizers should be included to improve workability. Concrete air entrained must be lower than 3%. Minimum Strength should be 35 N/mm². Water reducing admixtures are recommended for concrete placement and optimum performance. Screeds should have a minimum thickness of 75mm.

SUBSTRATE PREPARATION

Large areas of concrete should be laid using a laser screed. For smaller areas concrete should be levelled off with a straightedge and then vibrated to obtain suitable even surface. The surface is then floated with a wooden float ensuring that it is not closed. Any bleed water should be removed

APPLICATION

PLEKO DRYSHAKE 143 can be applied to freshly laid concrete as a dry powder or as a slurry. Product should be applied onto the concrete as soon as it will support the weight of a man (the foot-print test). This will normally be after 4-12 hours depending on the weather conditions

Manual sprinkling

For optimum results sprinkling should take place in two stages. The first sprinkle coat should be spread evenly on the surface using 2/3 of total dosage required. Once it has absorbed all of the moisture (a uniform darker color will appear) surface should be floated using hand trowels for edges and corners, and power trowels for the main area. Immediately after the first power float is complete, apply

the balance material by sprinkling evenly on the surface. After the second application has absorbed all the moisture, it should be floated again using a hand trowels for edges and corners and power trowels for the main surface. A smooth, hard finish is then achieved by use of a power float equipped with finishing blades. For light colors stainless blades should be used.

Mechanical spreader

Mechanical spreading requires only a single pass using a mechanical spreader. The complete required quantity should be spread evenly over the entire surface. After it has absorbed all the moisture (a uniform darker color will be apparent) it should be floated using a hand trowels for edges and corners and power trowels for the main surface. A smooth, hard finish is then achieved by use of a power float equipped with finishing blades. For light colors stainless blades should be used.

Slurry Application (Fresh on Fresh)

PLEKO DRYSHAKE should be mixed with water (120-140 mL per Kg of powder) in a pan mixer or any suitable mortar mixer until a homogeneous slurry is obtained. The slurry is then poured onto the surface of the concrete at a minimum rate of 12 kg/m² and levelled to the required thickness using straight edges. Surface should be floated using hand trowels for edges and corners, and power trowels for the main area. A smooth, hard finish is then achieved by use of a power float equipped with finishing blades. For light colors stainless blades should be used.

CURING

Curing should be carried out immediately after the final troweling operation has been completed. This can be done by either covering with polyethylene sheets or by the application of curing compound. It is essential that the curing process be well advanced before the floor is put into service. The following delays must be observed:

- Pedestrian traffic: 7 days
- Light traffic: 14 days
- Full use (fork lifts etc): 28 days

CLEANING

While still fresh, soluble in water. Clean all equipment with water immediately after use.

HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust.

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention.

The product is non-flammable

Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. We reserve the right to change any given specification without notice.

