

Non-metallic floor hardener

by dry shake method

hd. Duratop

About this product

Duratop dry shake application floor hardener consists of specially graded hard wearing mineral aggregate, cementitious binders together with cement dispersing and water reducing additives to improve workability.

The products will increase surface hardness and improve wear on concrete floors subjected to heavy loading, high abrasion and reduced dusting.

Uses

- Improved compressive strength.
- High abrasion resistance.
- Non-rusting and colour fast.
- Resistant to oils and grease.
- Easy to clean and non-slip.
- Forms monolithic bond with main concrete.
- Economic and easy to apply.

Typical properties

MOHS Hardness Scale	7-8
Abrasion Resistance (ASTM C503)	4 times greater than concrete

Chemical resistance

Chemical resistance of treated floor is improved over normal concrete. Where higher concentration chemicals will be in contact, reference should be made to our Technical Department.

Rate of application

Description	Typical floor	Rate per square metre
Exterior - Light foot traffic	Patios, Balconies, Terraces	3 kg
Exterior medium loading - Rubber wheel - Oil/Grease - Abrasion resistant	Car parks, Ramps, Walk and driveways, Concrete slabs Warehouse, Light industry	4 kg
Moderate rubber wheeled traffic - Dust resistant - Washable surface	Storage areas, Loading bays, Factories.	5 kg
Redgular traffic - Fork lifts - Aberasion resistant - Washable surface		6 kg

Application

Base concrete
The base concrete should have a minimum cement content of 300 kg/m³. The base concrete shall be laid and compacted in

Application of Duratop

Apply Duratop when the base concrete bleed water have evaporated and remaining a wet sheen or when the base concrete has stiffened to the stage when light foot traffic leaves an imprint of about 5 to 10mm. The area of application should be marked into bays to ensure an even distribution of materials. Duratop shall be broadcasted evenly over the marked area.

Apply Duratop in two phases after consulting the rate of application chart to determine the correct dosage for the desired finish. Use 2/3 of the specified dosage in the first application and broadcast evenly over the marked area. Compact the floor with a low speed mechanical trowel when the material broadcasted is uniformly moistened. The remaining 1/3 of the material is immediately broadcasted over the same marked area at a direction perpendicular to the first application. The floor is compacted again using a mechanical trowel when the material is uniformly moistened.

Do not over trowel as this may cause darkening.

When a coloured version of Duratop is to be used, it is highly recommended that to carry out a small site trial to evaluate any colour variation due to local concrete components, such as cement, sand and aggregate.

Curing

Proper curing of treated floor is essential to prevent rapid water loss which way result in surface crazing. Apply one coat of Cure-Rite curing compound in accordance with the manufeatureer instructions on to the treated floor 5 to 10 minutes after the floating operation has been completed.

Packaging and supply

Duratop is supplied in 25kg moisture resistant polythene lined paper bags. Duratop is available in natural colour, special colours, including red and green will be produced on request.

Storage

Shelf life is at least 12 months when it is kept unopened, in proper storage conditions in a cool dry area.

Health and safety

This product contains cement which, when mixed with water is strongly alkaline and may cause skin irritation. Operatives should wear protective clothing and work in well ventilated conditions. If the product enters the eye, wash thoroughly with clean water. If discomfort continues, seek medical advice.

Technical service

We can provide technical service at the specification stage and/or during application through our Technical Department or Laboratory. Detail specification or further information can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

To the best of our knowledge and belief, the information contained in this leaflet is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Test results shown reflect typical figures based on laboratory testing under

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