

ContecTop 6

Premixed Dry Shake Surface Floor Hardener

Description

ContecTop 6 is a cement based, mineral and corundum aggregated surface hardener designed to be applied as a dry shake over freshly floated surface concrete which will be exposed to heavy duty.

ContecTop 6 cures monolithically to provide a dense non porous surface which is hard wearing and abrasion resistant.

Different colors are available upon clients request.

Uses

ContecTop 6 is designed to ensure improve durability in applications where floor is subject to medium and heavy traffic and where a non-dusting surface is required. It will improve and enhance the performance of all concrete floors.

ContecTop 6 is ideal when applied in Used in workshops, In energy stations, In garages, In car parks, In storage areas, In loading bays, In factories, In shipyards, In aircraft hangars, In car wash shops, In helicopter landing sites.

Advantages

- Hardener applied surface is 4-6 times more resistant to abrasion than bare concrete.
- Easily applied on freshly floated surface concrete.
- With its modified polymers, it absorbs the water of the surface concrete on which it has been applied and forms a monolithic structure with bare concrete.

- Contains properly sized and graded corundum aggregate.
- Resistant to flaking due to the salt application against freezing.
- Do not oxidize.

Instructions for Use

- During application the ambient and the floor temperature should not be less than +5°C and more than +35°C.
- The Surface Hardeners are only aimed to increase the abrasion and impact resistance of a surface; they have no effect on mechanical strengths (flexural, tensile and compression) of the concrete on which they are applied. Therefore, the concrete should be designed in accordance with the mechanical loads that affect the surface thereof.
- The base concrete should be having a minimum cement content of 300 kg/m³.
- The concrete design mix should be such as to minimize segregation and control bleeding.
- The use of proprietary water reducing admixture is strongly recommended in order to achieve a water-cement ratio not exceeding 0.55.
- The base concrete should be laid and compacted in accordance with good concrete practice, taking care to ensure

accurate finished profile and minimum build up.

- Smooth and close the surface of the concrete with a wood float or power float to ensure an even and dense surface.
- Application should begin without delay when the base concrete has stiffened to the point when light traffic leaves an imprint of about 3-6 mm.
- Broadcast **ContecTop 6** evenly at about 3 kg per m² over the surface of the concrete. When the material becomes uniformly dark by absorption of moisture from the base concrete this application can be floated.
- Wooden floats or on large areas, a power float, may be used. It is important that the surface is not overworked.
- Immediately after floating the remaining **ContecTop 6** (where coverage rate is above 3 kg/m²) is applied evenly over the surface at right angles to the first. Again, when moisture has been absorbed the surface can be floated in the same way as before.

Consumption

ContecTop 6 is applied at the rate of 3-5 kg/m².

Compressive Strength

After 28 days the compressive strength is > 50 N/mm².

Hardness (Mohs Scale)

ContecTop 6 aggregates have a hardness of 7 on the mohs scale.

Curing

Adequate curing is important for good quality floors. As soon as the concrete floor has hardened it should be covered with a plastic sheet, wet hessian cloth, ponding or any other suitable manner of curing.

Packaging

ContecTop 6 is supplied in 25 kg bags.

Cleaning

Equipment and tools should be cleaned with water immediately after use and before the material has hardened.

Shelf Life/ Storage

The shelf life of **ContecTop 6** is 12 months if stored in original closed packing and protected from the environment away from high temperature and humidity.

Safety Precautions

ContecTop 6 does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come into contact with eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

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