

ContecTop 5

Premixed Surface Hardening Compound for Concrete Floors

Description:

- **ContecTop 5** concrete floor surface hardener is a cement-based trowel on product, comprising specially selected and graded quartz/ silica aggregates, cement and special additives which, when broadcast onto the freshly placed concrete floor provide a material which is easy to trowel into the freshly cast concrete slab.
- **ContecTop 5** cures monolithically to provide a dense non porous surface which is hard wearing and abrasion resistant.
- Monolithic cure ensures that problems normally associated with thin (granolithic) screeds such as curing, shrinkage, cracking etc. are completely eliminated.

Different colors are available upon clients request.

Uses:

- **ContecTop 5** imparts a hard wearing and abrasion resistant surface on new concrete in warehouses, power houses, car parks, factories and other flooring areas requiring hard, abrasion resistant surfaces.
- Application by the broadcast method ensures the hardwearing surfaces bonds monolithically to the base concrete.

Advantages:

- High abrasion and impact resistance.

- Contains hard wearing aggregates which provide a hard-wearing surface.
- Forms monolithic bond with fresh concrete base.
- Non dusting surface.
- Easy to apply
- Non-metallic aggregates will not rust under wet conditions.

Application Instructions:

- The base concrete should be class A concrete, having a minimum cement content of 300 kg/m³.
- The concrete design mix should be such as to minimize segregation and control bleeding, although some limited bleed is desirable to impart some moisture thus ensuring enough water is available to wet out the **ContecTop 5**
- 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.
- Remove any free water or laitance from the surface using a soft broom.

- 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 5** 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 5** (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 5 is applied at the rate of 3-5 kg/m².

Abrasion Resistance:

ContecTop 5 gives improved abrasion resistance to over 150% compared to conventional concrete floor.

Compressive Strength:

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

Hardness (Mohs Scale):

ContecTop 5 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 5 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 5 is 12 months if stored in original closed packing and protected from the environment away from high temperature and humidity.

Safety Precautions:

ContecTop 5 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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