



## CLASSIC FLOOR™ TOP HTL

### Hardwearing, Abrasion Resistant Monolithic Industrial Flooring Compound

#### Product:

A factory blended ready to use cementitious system with special fillers. Meets heavy duty industrial flooring norms. Hardwearing and abrasion resistant.

#### Description

**Classic Floor Top HTL** is supplied as a ready to use factory controlled cementitious system blended with special aggregated selected for high abrasion and wear resistance. **Classic Floor Top HTL** is used to obtain a dense, tough abrasion resistant industrial floor with non-dusty and non-slip characteristics.

#### Advantages:

- Ready to use, factory controlled, Eliminates on site mixing.
- Dense, non-porous surface.
- Hard wearing, abrasion resistant surface.
- Resistant to penetration of oil, water, etc.,
- Monolithic bond with the base concrete.
- Non-Dusty and non-slip Surface.
- Facilitates easy cleaning.
- Long life and low maintenance.
- Long Track record.
- Non-Metalic and iron free- Do not rust.

#### Packing & Coverage:

Available in 25 Kg Pack, 3 Kg of **Classic Floor HTL** per Sq.mt. for light floors. 5 Kg of **Classic Floor Top HTL** per Sq.mt. for medium floors.

#### Properties:

##### Abrasion Resistance:

**Classic Floor Top HTL** has been tested with **FUNDITOR ABRASER MACHINE** using silicon carbide wheels. The sample was tested for 10,100 revs at a fixed speed and the amount of wear assessed by measuring the depth of the groove by abrasion wheels at four points around the perimeter.

The result shows that **Classic Floor Top HTL** improves the abrasion resistance compared to grout by over 200%

#### Compressive Strength:

**Classic Floor Top HTL** cubes when tested for compressive strength have typical strength of over 800 Kg/cm<sup>2</sup> at 28 days.

#### Instructions for Applying Classic Floor HTL

##### Base Concrete:

The base concrete should have a minimum cement content of 300 Kg/cm<sup>2</sup> with a slump of 40-60mm with a low water cement ratio. To improve the quality of concrete mixes and to enable low w/c ratio. **Classic Superplo N-** Normal plasticizer may be used at a dosage rate of 150-200 ml/50 Kg cement.

##### Method of Laying base Concrete

The base concrete must be laid in accordance with good concrete practice either in bays or long strips. Particular care must be taken at the corners and edges of the bays to obtain good compaction and to maintain level for subsequent trowelling operations. If too much of free water is seen on the surface, subsequent water content in concrete must be reduced to obviate the presence of free water.

##### Application of Classic Floor Top HTL

The time of application is very important in order to derive full benefits of **Classic Floor Top HTL**. If **Classic Floor Top HTL** is applied too early, it will absorb water and may sink to the bottom. If application of **Classic Floor Top HTL** is delayed, no moisture from the concrete surfaces will be available to hydrate **Classic Floor HTL**, resulting in poor pitted surface. As a guide, the application should be made between 1 hour – 3 hours, i.e. When the surface water on concrete has completely evaporated. (When tested with thumb, it leaves an impression but concrete does not stick to the Thumb).

##### The Application is made in two stages:

First 50% of the required materials is broadcast evenly manually and when the surface darkens with the absorption of water, the surface is floated. The second application is made immediately after, by evenly broadcasting the balance 50% material and when the surface has darkened with the absorption of water, the surface is floated. Power floating would be ideal. Two floating are recommended with half of full disc. The

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second trowelling is done after the surface has sufficiently stiffened, i.e., after two hours after the first trowelling to close any pores and remove any risk marks.

### **Curing:**

After final trowelling, as soon as the surface has hardened sufficiently to prevent damage, it should be covered with a polythene sheet and made air tight by placing sand all around the sheet for a minimum period of 7 days. Alternatively, curing by ponding is recommended for a minimum of 7 days.



### **Joints:**

All expansion joints must be filled with an appropriate sealant. The saw cut construction joints may be filled with **Classic Epoxyseal** flexible epoxy resin. A separate data sheet is available on **Classic Epoxyseal**.

### **Storage:**

6-month period in dry, shaded condition in original sealed packs.

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