

BUILDFLOOR TOP

Non-metallic floor hardener

DESCRIPTION : **BUILDFLOOR TOP** is a ready to use non-metallic powder hardener to provide a high abrasion resistant surface. It consists of selected and graded hard aggregate, portland cement and other additives to improve placing and additional hardening.

STANDARD : **BUILDFLOOR TOP** complies with IS : 1237

USES : For new concrete floors, which are subject to heavy traffic or where good abrasion resistance is required, e.g. industrial floors, trucking lane, loading bays, car parks, warehouse floors, repair work-shops, engineering workshops, petrol pumps/service station, garages etc.

FEATURES

- ❖ Easy to apply by dry shake method, ready-to-use.
- ❖ Forms monolithic structure with floor slabs or screeds.
- ❖ Very good abrasion resistance.
- ❖ Resistant to oil and grease
- ❖ Excellent non-slip properties
- ❖ No rusting due to non-metallic tough material. No cracking
- ❖ Reliable – produced under rigid quality control system.
- ❖ On-site mixing of aggregate with cement is eliminated

APPLICATION : **BUILDFLOOR TOP** floor hardener is most suitable on a base concrete with the following concrete mix design

| | | |
|----------------|---|---------------------------------|
| Cement content | : | 300 kg/m ³ (minimum) |
| Free w/c | : | Should be less than 0.55 |
| Slump | : | Between 40 to 70mm |

The mix design should be designed to avoid segregation and bleeding. If required, **Buildplast Super** – water reducing admixture may be used.

It is recommended to use **BUILDFLOOR TOP** on earmarked panels.

COVERAGE

| | | |
|---------------------|---|---------------------|
| 6 - 7 kgs. /sq.mtr. | : | Heavy duty floor |
| 4 - 5 kgs. /sq.mtr. | : | Moderate duty floor |
| 2 - 3 kgs. /sq.mtr. | : | Light duty floor |

When surface water from the freshly laid concrete disappears, **BUILDFLOOR TOP** powder may be sprinkled/spread over and broadcast on to the floor. After about 5 minutes floating may be carried out with wooden float or power float/trowel. The material should be sprinkled in two stages in equal quantities.

CURING

Curing is the essence of making hardened concrete floor.

TECHNICAL DATA

| | | |
|--|---|---|
| Colour | : | Natural grey |
| Compressive strength (28 days N/mm ²) | : | Typically 60 (tested as per BS 1881) |
| Moh's hardness of the aggregates | : | 6 – 7 |
| Abrasion resistance | : | More than 250% against control concrete (tested as per BS 1881 –Part 4, 1970) |
| Shelf life | : | Six months if unopened |
| Storage | : | Keep it in a dry place. |
| Packing | : | 50 kg. HDPE bags. |
| Health & safety | : | Non-inflammatory, non-toxic and eco-friendly. |