

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.