



## **VITCON 9045 NM**

### **Non-metallic Floor Hardener**

#### **DESCRIPTION**

**VITCON 9045 NM** a pre-packed readymade compound with hard granules of predetermined sizes. The physical characteristic of this mineral originated powder mix is to enhance the surface strength of concrete floors and also to impart abrasion resistance against traffic movement.

#### **ADVANTAGES**

- ✓ Increases abrasion resistance of concrete.
- ✓ Enhances resistance against mechanical wear.
- ✓ Easily applicable by spreading over the green concrete.
- ✓ Increases coverage of the given mix quantity.
- ✓ Being non-metallic the product ensures a corrosion resistant hard floor.

#### **SPECIFICATIONS**

- ◆ Appearance : Grayish powder.
- ◆ Hardness : 7 – 8 (as per Moh's scale)
- ◆ Water Absorption : 6.0 – 6.5 % (as per IS 1237)
- ◆ Abrasion resistance :  $\pm 1.5$  mm (as per IS 1237)
- ◆ Packing : 25/50 kg HDPE woven bags
- ◆ Storage : Away from moisture & heat
- ◆ Shelf Life : 6 months in unopened condition



## USAGE

**VITCON 9045 NM** is very suitable for making floors in industrial segment, warehouses, mechanical engineering workshops, precision engineering workshops, parking lots, and garages etc where hard and dust resistant floors are of importance.

## COVERAGE

**VITCON 9045 NM** should be sprayed with a consumption of 3.5 to 5.5 kg per square meter depending upon the traffic movement and wear resistance required.

## APPLICATION

The preferable requirement of base concrete should be of M20 grade. The concrete should also be dense and homogeneous and well compacted to get a leveled finish.

After laying of fresh mix concrete on the floor, **VITCON 9045 NM** powder should be sprayed on it at a stage when a nail impression of 3-4 mm is obtained at a standard pressure. Spreading can be done by hand or by any mechanical spreader at the rate of 3.5 to 5.5 kg per square meter of the floor area. Observe until the mix has been properly moistened by surface water and then smooth out surface with mechanical trowel.

Dewatering of the surface before spreading gives a better result. But we have to ensure that dewatering should be done in a controlled way so that some amount of surface water is available to moisten **VITCON 9045 NM** powder and also for final finishing.

The applied surface has to be wet-cured by putting moist gunny bags on the surface or by pooling water. A minimum curing period of 3 –10 days is required for best result.

## PACKAGING

**VITCON 9045 NM** is available in 25 kg bag.

## SAFETY

**VITCON 9045 NM** is non-toxic, non-flammable and non hazardous. However, any splash on the human body should be washed out immediately with plenty of water.