



VITCON 9045 HARD METAL FLOOR

DESCRIPTION

VITCON 9045 Hard Metal Floor is a dry shake, metallic floor hardener with cleaned and graded, non-oxidizing metallic aggregate in a high strength cementitious binder. Designed to be incorporated into fresh concrete slabs. VITCON 9045 Hard Metal Floor provides a dense, tough surface with six times abrasion resistance than plain cured cement concrete & is capable of withstanding the abrasion and impact loading seen by floors slabs with numerous of industrial and manufacturing facilities.

VITCON 9045 Hard Metal Floor has been specially formulated with a non-rusting aggregate for increased abrasion resistance in areas subject to frequent moisture or water exposure. VITCON 9045 Hard Metal Floor can also be mixed in a mortar consistency and placed along joints to provide shoulder reinforcement. Other colours are available in addition to the standard natural colour

APPLICATIONS

- Industrial Floors
- Warehouses
- Processing Plants like fertilizer/Petrochemical units
- Vehicle maintenance shops
- Loading Docks
- Main, High Traffic Aisle ways/Gangways
- Machine Shops
- Breweries and Bottling Plants
- Joint Shoulders Reinforcement.



METHODOLOGY

For the standard application techniques of a dry shake floor hardener, a pre-job meeting is suggested to review the project concrete mix design as well as placement and curing details unique to the particular job. Base concrete should have minimum cement level of 300 kg/m³ and slump @ 50 to 70 mm. It should be minimum 50 mm thick in case of manual finish & 100 mm thick in case of power trowel finish.

ARMORED JOINTS

VITCON 9045 Hard Metal Floor may also be used as a mortar in constructing armored floor joints. These joints provide added wear resistance at joint edges increasing the serviceable life of the floor.

In addition to the information in "Application Instruction – Dry Shake Floor Hardeners", the contractor should consider the following when installing VITCON 9045 Hard Metal Floor Coloured (pigmented) dry shakes

Coloured (pigmented) dry shakes require special attention for a uniform colour. If the job involves placement of coloured VITCON 9045 Hard Metal Floor, care should be taken with regards to the following:

- 1) Delay application of the shakes as long as possible to get the maximum colour saturation at the surface of the slab.
- 2) Apply the shake as evenly as possible and in two applications for maximum uniformity.
- 3) Best appearance is achieved by hand trowelling the final finish.



COVERAGE

VITCON 9045 Hard Metal Floor may be applied at rate 3.5 Kg/m² over green concrete for normal traffic & 6-12 kg/m² for heavy traffic. Higher application rates yield better abrasion resistance. Greater application rates may be used with special considerations.

PRECAUTIONS

- Proper curing and sealing is required.
Air-entraining admixtures may complicate finishing operation.
- Air content must be below 3%.

STORAGE

Store in dry place.

PACKAGING

Available in 25 kg, 50 kg bags.

