

TECHNICAL DATA SHEET
FLOORMASTER HARDENER NM
Non-metallic Surface Hardener

PRODUCT DESCRIPTION

FLOORMASTER HARDENER NM is a pre-mixed, non-metallic, ready to use product. It is designed to be applied as a dry shake over freshly floated concrete to provide a hard wearing and durable monolithic floor.

FLOORMASTER HARDENER NM contains hard wearing graded aggregates, portland cement and other proprietary ingredients to improve workability.

FLOORMASTER HARDENER NM is available in natural (concrete gray) color as standard. Special colors will be produced on request for large orders.

CUSTOMER BENEFITS

- Durable, hard wearing surface with good abrasion resistance
 - Provides a good impact resistance
- Provides a heavy duty finish for longer serviceable life than plain concrete
- Easier to clean resulting in low maintenance costs
- Resistance to oil and grease penetration
- Dense surface, reduces dusting
- Easy and economical to apply

RECOMMENDED FOR:

- Factories
- Showrooms
- Loading bays
- Repair workshops
- Warehouses
- Industrial and commercial floor surface subject to heavy traffic and severe impact

APPLICATION INSTRUCTION

Application

The base concrete should have a minimum cement content of 300kg/m³. It should be laid and compacted in accordance with good concrete practice.

Particular attention should be paid to bay edges and corners to ensure full compaction. It is recommended that the floor is marked off into bays of known area. Application of **FLOORMASTER HARDENER NM** can only begin when the base concrete has stiffened to the point when light foot traffic leaves an imprint of

about 3mm. Any bleed water should now have evaporated.

FLOORMASTER HARDENER NM is applied into two stages.

a) The first application is made using ½ to 2/3 of the material required for the eventual end use, it is evenly broadcast onto the concrete surface. When the material becomes uniformly dark by water absorption, it can be floated by use of wooden floats or power floats, for large areas. It is important that the surface is not over worked.

b) Immediately after floating, the remaining **FLOORMASTER HARDENER NM** is thrown evenly over the surface. Again, moisture is absorbed and the surface can be floated in the same way as before. Final finishing of the floor using wooden floats or power floats can be carried out when the floor has stiffened sufficiently so that damage will not be caused.

Timing of Application

Timing of the application of **FLOORMASTER HARDENER NM** is important. Too early and excess water will be absorbed and the resultant floor surface will be of lower strength. Also **FLOORMASTER HARDENER NM** aggregates could sink and be lost from the surface. Too late application, insufficient moisture will be available to completely hydrate the **FLOORMASTER HARDENER NM**. Cracking of the surface are likely to result.

Curing

To ensure the properties of the **FLOORMASTER HARDENER NM** floor hardener, correct curing procedure must be followed.

Immediately after finishing apply CONFIXCURE CURING MEMBRANE.

PACKAGING

FLOORMASTER HARDENER NM is package ready-to-use in 25 kg moisture resistant bags. No mixing of ingredients is required at the job site.

ESTIMATING DATA

Light to moderate duty : 3 - 5 kgs / m²
Moderate to heavy duty : 5 - 7 kgs /m²

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STORAGE

FLOORMASTER HARENER NM has a shelf life of 1 year if maintained in dry storage conditions in un-opened bags.

HEALTH AND SAFETY

FLOORMASTER HARDENER NM should not be swallowed. Any eye contamination should be washed with plenty of water.

FIRE

FLOORMASTER HARDENER NM is non-flammable.