



# FLOOR HARDENER NM

## PREMIXED NON METALLIC POWDER FLOOR HARDENER

### KEY FEATURES

- Provides a monolithic hardening surface within the concrete matrix
- Provides a wear resistant surface
- Provides high impact resistance
- Easy to use and economical
- Non-slip characteristics
- Resists oil and grease penetration, and reduces dusting

### DESCRIPTION

Bostik Floor Hardener NM is a pre-blended, ready to use and dry shake formulation for hardening freshly placed horizontal concrete slabs and toppings. Floor Hardener NM produces a hard, dense, wear resistant surface which resists corrosion and absorption of grease, oils, alkalis and most chemicals. Typical areas of use include concrete floors in garages, steel mills, generating plants, loading platforms and wherever is heavy-duty wear resistant floor finish is required.

### RECOMMENDED USES

- Ideal for use in warehouse, factories, car parks, driving and loading ramps, garages, mechanical / power rooms, wet rooms and outdoor surface of all kinds, etc.
- Easy to apply and even easier to maintain
- High abrasion and impact resistance
- Suitable for constantly wet areas; Non-skid and Non-slip
- Dust-proof
- Resistant to gas, oil, mineral, solvents and other chemicals

### SURFACE PREPARATION

Concrete for single course monolithic floors should be capable of achieving a 28-day compressive strength of 20 Mpa (30 Mpa for heavy duty traffic areas) with a slump between 75mm and 100mm. Concrete should not contain calcium chloride.

Place concrete and consolidate with vibrators if necessary. Strike off concrete level. Further level and consolidate using a wooden bull float. Complete this operation before any bleed water appears. If there is free-bleed water on the surface, remove it just prior to the floating. The base concrete should then be allowed

### PERFORMANCE PROPERTIES

Specific Gravity	3.2g/cm <sup>3</sup>
Compressive Strength	> 60 Mpa
Abrasion Strength	200% better than plain concrete (BS 6431 : Part 20)
Resistance to Rusting	No rusting after 100 hours of salt spray (ASTM B117-97)
Flammability	Non-Flammable

to stiffen sufficiently to bear the weight of a finisher before proceeding to the next stage.

### APPLICATION INSTRUCTION

Floor Hardener NM should be applied in two coats using a dry shake method of uniformly broadcasting the product onto the surface of the freshly placed concrete.

Broadcast 2/3 of the Floor Hardener NM onto the fresh concrete surface. Float the broadcasted material into the surface with a mechanical or manual float after the hardener achieves a uniform moistened appearance. Do not use steel trowel.

When the water sheen has again disappeared, broadcast the remaining 1/3 of the Floor Hardener NM onto the surface. Float the concrete surface in the same way as before. After the surface has achieved proper firmness, proceed with normal finishing procedures. Do not over trowel.

Final finishing of the floor using the blades of a power float can be carried out when the floor has stiffened sufficiently so that damage will not be caused. As soon as the surface will not be marred, apply Bond 'N' Cure to the surface immediately by roller or spray.

### COVERAGE

- Light to Moderate Duty - 2.5 to 3.5kg/m<sup>2</sup>
- Moderate to Heavy Duty - 3.5 to 5.0kg/m<sup>2</sup>
- Super Heavy Duty - 5.0 to 7.5kg/m<sup>2</sup>

### PACKAGING

25kg bag

### CLEAN UP

Immediately after use, equipment and tools should be cleaned with clean water.

### STORAGE AND SHELF LIFE

All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze. Bostik Floor Hardener NM has a shelf life of 12 months from date of manufacture when kept in a dry store in the original, unopened bags.

### HEALTH AND SAFETY

This product contains cement powders which, when mixed with water or upon becoming damp, release alkalis that can be harmful to skin. During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing, eye protection, gloves and respiratory equipment (particularly in confined spaces). The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting. For more information, refer to Material Safety Data Sheet.

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. However, no warranty in respect of merchantability or fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik be liable to anyone except for replacement of the products or refund of the purchase price.

**BOSTIK HOTLINE**

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