

NIPPON PAINT HARDTOP
Updated Sept'25
Description:

Nippon Paint HardTop is a monolithic non-metallic factory blended dry shake floor hardener comprised of rust-free hardwearing natural aggregates, binder and admixtures. It is designed to use during concrete casting and cure monolithically to form a dense and hard surface, increasing the hardwearing and abrasion resistance of the concrete floor surface.

Uses:

Nippon Paint HardTop is ideally suited for all industrial areas subject to heavy traffic such as:

- Car park deck and ramp
- Loading and unloading bays
- Warehouse
- Workshop
- Machine shop
- Trucking lane
- Spillway

Advantages:

- Increases hardness of concrete floor surface
- Enhances abrasion resistance of concrete floor surface
- Forms a monolithic bond with concrete
- Easy and economical to apply
- Good adhesion to wet surfaces and green concrete
- Odorless and Non-toxic

Product Type	Product Grade	Pack Size	Finishing	Color	Substrate
Natural Aggregate Dry Shake Floor Hardener	Nippon Paint HardTop	25kg/bag	Cementitious	Natural	Concrete

Typical Technical Data

Properties	Nippon Paint Hardtop	Test Standards
Mohs Hardness (aggregate)	>7	MoHS Hardness
Specific Gravity	>2.6	In House

*All values given are subject to 5-10% tolerance

Application Method
Manual Application

Nippon Paint Hardtop must always be applied (sprinkled) onto the surface of fresh concrete before the concrete begins to set. It must be done in two layers at right angles to ensure even distribution.

For first layer, sprinkle the material evenly over the surface at a rate of 1.5–2.5 kg/m². Allow the product to absorb moisture from the concrete. Blend and smooth it into the surface using a power float.

Sprinkle a second, even layer at a 90° angle to the first application. Apply at the same rate of 1.5–2.5 kg/m². Once moisture is absorbed from the concrete, blend and smooth again with the power float.

Mechanical Application

Sprinkle Nippon Paint Hardtop in a single, even layer at a rate of 3–5 kg/m². After material take up the moisture from the concrete, blend and smooth over with the power float.

Curing

It is recommended to use a curing compound such as Nippon Paint Cure P or alternatively use a polyethene sheet after Nippon Paint HardTop is finished applied and floated.

Recommended Dosage	
Coverage	Dry mix Nippon Paint HardTop is applied at a different rate per m ² to provide floor surface for different usage
General vehicular traffic	: Nippon Paint HardTop at 4.0kg/m ²
Heavy vehicular traffic	: Nippon Paint HardTop at 6.0kg/m ²
Storage	
This product should be 24 months of shelf life when stored in the original bag in shaded and dry conditions.	
Cleaning	
Clean up equipment or tools with clean water immediately after use.	
Safety Precautions	
<ul style="list-style-type: none">• Portland cement is alkaline when in contact with water, avoid prolonged contact with the skin• Always use protective hand gloves, goggles and dust mask when handling or application• Any eye contamination should be washed immediately with plenty of clean water and seek medical advice• Dispose off any waste in accordance with the appropriate Environment Quality Regulations	
Note	
The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given without prior notice	