

HARDFLOOR (N)

Non Metallic floor hardener



Description:

HARDFLOOR (N) is ready made blend of non- metallic, inert high quality aggregates and cement which is applied as dry shake to the concrete surface. It provides protection to floors against wear, impact and abrasion.

Uses:

It is ideally suited for all areas subjected to heavy traffic such as:

- Garages
- Aircraft hangers
- Helipad
- Car washing
- Loading areas
- Parking area
- Mechanical workshops
- Warehouse
- Assembly house for automobile industry

Advantages:

- Non-metallic does not rust or stain
- Higher resistance to abrasion, wear and impact
- Free from dusting, easily cleaned and attractive floor
- Forms monolithic bond with base concrete
- Maintenance free and long life performance
- Available in wide ranges of colors

Product Standard Compliance:

- IS 2571:1970

Application Procedure:

- Application is by traditional dry-shake method,

Company Standard Compliance:



Technical Information:

Properties	Specification
Appearance	Grey colored powder
Compressive strength after 28 days (BS 1881 Part 116 1983)	>80 Mpa
Avg. Abrasion Test in mm (IS 1237:2012)	<0.4

Properties:

	Sample 1	Sample 2	Sample 3	Sample 4
Coverage Rate of HARDFLOOR (N)(Kg/m2)	0.0	3.0	4.0	5.0

onto concrete, at approximately initial set during plastic phase.

- Concrete should be levelled off with a straight edge and then vibrated. The surface is then floated with a wooden float ensuring that it is not closed. Any bleed water should be removed.
- Apply the recommended amount of powder on the concrete surface and allow the powder to absorb moisture from the concrete until the dark colour appears.
- When surface is sufficiently firm enough to take the weight of a man leaving only minor indentations, HARDFLOOR (N) should be finished off by means of a power trowel.

Benefits:

Abrasion resistance: It has high resistance against wear and tear of floor and is more durable in low maintenance cost.

Handling: HARDFLOOR (N) is very easy in handling and application.

Cleaning:

All equipment should be washed with clean water immediately after use and before the material has hardened.

Coverage:

Typical application can be form 3 Kg/m² to 7 Kg/m² however, 5Kg/m² coverage is recommended

Curing:

Curing should be carried out immediately after the final trowelling operation has been completed.

Average Weight loss (gm)				
1000 cycle	9.87	1.46	1.40	1.37
2000 cycle	14.9	2.82	2.61	2.42
3000 cycle	21.18	5.24	4.38	3.92

Packaging:

HARDFLOOR (N) is supplied in 25 Kg bags.

Storage & Shelf-life:

HARDFLOOR (N) has a shelf life of 24 months if kept in a cool and dry place in unopened bags under room temperature (i.e. 27°C).

Health & Safety:

HARDFLOOR (N) contains cement powders which when mixed or become damp, release alkalis which can be harmful to the skin.

HARDFLOOR (N) is irritating to the eyes, respiratory system and skin. Avoid inhalation of dust and contact with skin and eyes. Wear suitable gloves and eye protection.

In case of contact with skin, wash with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

For further information, see Product Safety Data Sheet.

Fire:




HARDFLOOR (N) is non-flammable.

Limitation:

Do not use HARDFLOOR (N) in areas exposed to acids and their salts or other materials known to rapidly attack or deteriorate concrete containing Ordinary Portland Cement.

Do not apply to concrete containing calcium chloride or concrete having greater than 3% air entrainment.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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