

DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

“Quality, Integrity Assured.”

DURAHARD

Non – Metallic Floor Hardener

Description:

DURAHARD is a non – metallic powder hardener in four colour viz. grey, red, light green and off white. It consists of selected and graded hard aggregate, Portland cement and other additives to improve placing and additional hardening.

Standard Compliances / Specification:

Meets the requirements of ASTM C 944, BS 1881: part 116 ; IS 1237 : 1980

Uses:

For new concrete floors which are subject to the heaviest traffic or where good abrasion resistance is required e.g. industrial floors, trucking lane, loading bays, car parks, warehouse floors, repair workshop, engineering workshop, petrol pumps / service stations, garages etc.

Features:

- Easy to apply by dry shake method, ready to use.
- Forms monolithic structure with floor slabs or screeds
- Very good abrasion resistance – Moh’s hardness 7 – 8 (steel core) – wear resistance according to Taber weight loss 1% after 500 revolutions
- Resistant to oil and grease
- Excellent non – slip properties
- No rusting due to non – metallic tough material. No cracking. Chemically inert
- Reliable – produced under rigid quality control system – quality never vary
- On – site mixing of aggregate with cement is eliminated.

Application:

DURAHARD floor hardener is most suitable on a base concrete with the following concrete mix design.

Cement Content	:	300 Kg / M ³
Free W / C	:	Should be less than 0.55
Slump	:	Between 40 to 70 mm

Our **Duraspred N** plasticiser may be used to reduce bleeding and segregation.

Coverage	<u>Rate of application, kg/M³</u>	<u>Traffic Condition</u>
	6 – 7	Heavy
	4 – 5	Moderate
	2 – 3	Light

When surface water from the freshly laid concrete disappears **DURAHARD** powder may be sprinkled / spread over and broadcast on to the floor. Wait for 3 to 5 minutes and then floating may be carried out with wooden float or powder float / trowel on a large area. 50 to 70 % of the material may be first applied and finally the balance material. Avoid overwork with the float. Remember too – early or too late application may lead to lower strength and surface dusting or crazing and pitting on the concrete surface. Ensure most powder should look slightly wet before floating starts otherwise powder may remain at the bottom though it may look finished smooth surface from top. Later when the floor is used, such improper portion will flake off.

Curing:

Curing is the essence of making hardened concrete floor. Normal curing or our **Duracure** may be used for efficient curing.

Technical Data

Colour	:	Natural grey, red, light green and off white
Bulk Density	:	1480 Kg / M ³
Compressive Strength	:	Typically 600 Kg / cm ²
Abrasion Resistance	:	Moh's Scale 7 – 8
Shelf Life	:	6 months if kept in original packing under shed.
Storage	:	Keep it in a dry place
Packing	:	In a 25 Kg HDPE sealed bag
Health & Safety	:	Non-flammable, Non-hazardous.



IMPORTANT: Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

WARRANTY: Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

HEAD OFFICE: 104-106, Dimension Deepti Plaza, Plot No-3, LSC, Pocket-6, Nasirpur, Dwarka, New Delhi-110045.

Phone No.: 011-25050236, 011-25050237, Fax No.: 011-25050238

E-mail: admin@durabuildcare.com, sales@durabuildcare.com, Website: durabuildcare.com