

A Premixed Emery Based Monolithic Surface Hardening Compound

Guardian TOPHDE is a premixed non rusting floor hardener used to form a monolithically hardened concrete floor. It gives an abrasion resistant and hard wearing surface and is applied by shake on methods.

USES & ADVANTAGES

Guardian TOPHDE is used to provide a hard wearing abrasion resistant surface. It is an extremely hard chemically inert aggregate based product and provides a non slip surface. Use in loading bays, trucking lanes, car parks, warehouse floors, repair and machine work-shops & production areas.

Advantages include:-

- Forms a monolithic bond with concrete.
- Resistant to oil and grease.
- Does not rust.
- Easy and economical to apply.
- Various colours.
- Extremely strong, hard wearing abrasion and impact resistant floor.
- Performs to the same level of Al₂O₃ based materials with contents in excess of 55%.
- Forms dense non porous extremely abrasion resistant floor.
- Contains very hard aggregates 9 on Moh's hardness scale.

PROPERTIES

Appearance:	Grey or coloured powder. Colour may vary when applied.		
Composition:	Suitable for use with all Portland cement including S.R.C.		
Abrasion Resistance:	Tested to ASTM 779 B, ASTM D4060 Taber Test, ASTM C944, BS 6431 and BS 8204 Gives 250-300% improvement over plain concrete		
Moh Hardness:	Aggregate 9		
Compressive Strength:	In excess of 90 N/mm ²	ASTM C109	at 28 days

APPLICATION

Once the freshly poured and leveled concrete has reached its plastic state the substrate should be smoothed using mechanical trowels. After bleed water has evaporated and concrete has a wet shine **Guardian TOPHDE** should be sprinkled over the concrete surface at the recommended rate of application. When the applied **Guardian TOPHDE** appears uniformly moistened level out with a wood float or a power float. Finish with a steel trowel to obtain a smooth, uniform surface.

COVERAGE RATES

Light Traffic 2-3 kg/m²
Medium Traffic 3-4 kg/m²
Heavy Traffic 4-5 kg/m²

PACKAGING

25 kg. 4 Ply plastic lined bags.

STORAGE & SHELF LIFE

Store in dry conditions in unopened bags. The shelf life is 6 months if stored correctly.

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HEALTH & SAFETY

Avoid inhalation of dust. Wear suitable protective clothing, gloves, eye protection and respiratory protection. In case of contact with eyes rinse immediately with plenty of clean water & seek medical advice. If swallowed seek medical attention immediately do not induce vomiting.
Fire: **Guardian TOPHDE** is non flammable.

TECHNICAL SERVICE

Guardian Coating Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE (OEM)

ISO 9001 : 2015 verified by TUV Nord.