

A Premixed Non Metallic Floor Hardener

Guardian TOPHD is a premixed non metallic floor hardener used to form monolithically hardened concrete floors.

Guardian TOPHD provides a hardened abrasion resistant surface and can also be used to inhibit dust formation.

USES & ADVANTAGES

Used to provide a low cost, heavy duty concrete floor subject to heavy loads and traffic e.g. workshops, warehouses, car parks, garages, production areas, hospitals, schools, commercial floors, shopping centres, loading bays, industrial complexes etc.

Advantages include:-

- High abrasion resistance.
- High impact resistance.
- Increases the strength of surface.
- Resistant to petrol, mineral solvents and common chemicals.
- Creates dense, easy to clean surfaces.
- Non dusting nor rusting.
- Suitable for wet areas.
- Available in a range of colours.

PROPERTIES

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|-----------------------------|--|
| Appearance: | Grey, green, red, yellow or cream |
| Specific Gravity: | Approx. 1.4 kg./ltr. |
| Moh Hardness: | Aggregate 7-8 (steel score) |
| Abrasion Resistance: | Concrete improved by at least 225% Tested to ASTM D4060 Taber Abrader & BS 6431 Part 20 |

METHOD OF USE / APPLICATION

Once the freshly poured and levelled 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 TOPHD** should be sprinkled over the concrete surface at the recommended rate of application. When the applied **Guardian TOPHD** appears uniformly moistened level out with a wood float or a power float. Finish with a steel trowel to obtain a smooth, uniform surface.

CURING

Correct curing should be applied e.g. **Guardian CURE-SW** to prevent rapid loss of water, crazing and bloom.

SUBSEQUENT FINISHES

Due to its high density & low porosity subsequent finishes are not normally required. **Guardian AFC** may be used as a further sealer, however, tests must be carried out first.

IMPORTANT NOTES

In very aggressive conditions where very high abrasion or impact resistance is required consideration should be given to **Guardian TOPHDE** or **Guardian TOPHDM**

COVERAGE RATES

3 - 5 kg. / m² for medium to heavy traffic.

PACKAGING

25 kg. 4 Ply plastic lined bags.

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STORAGE & SHELF LIFE

Store in dry conditions in unopened bags.
The shelf life is 12 months if stored correctly.

HEALTH & SAFETY

Guardian TOPHD is alkaline avoid contact with skin & eyes.
Gloves, goggles and a dust mask should be worn. Skin should be washed with water to remove & splashes in the eyes washed out with copious amounts of clean water and medical attention sought. **Guardian TOPHD** is nonflammable.

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.
ISO 14001 : 2015 verified by Lloyd's Register International.

DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

Guardian does not take responsibility nor need to defend others testing that does not achieve the published data.

The user must test the products suitability for the intended application and purpose. Guardian reserves the right to change the properties of the product.

Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered