

Cemguard HB 500

Inorganic-Organic Hybrid Concrete Coating

ACT (THAI) GROUP OF COMPANY

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

PRODUCT DATA

DESCRIPTION

Cemguard HB 500 is a hybrid coating which is synthesized of inorganic component as a main component and organic component as a sub-component with molecular unit reaction. It simultaneously has both inorganic properties such as fire resistance, high hardness, abrasion resistance, acid resistance and organic properties such as water resistance, alkali resistance, flexibility, toughness and shock resistance. And it is the eco-friendly product which contains limited hazardous organic solvent.

USES

Cemguard HB 500 provides exceptional adhesion to a variety of concrete substrate including old concrete floor which have been cleaned from stains of dirt and oil. Area of application includes indoor & outdoor floor coatings, floor finishing on parking lot of apartment, office machinery room, electric room, maintenance room, factory, warehouse, chemical lab, general office etc.

Also recommended for renovation of old Epoxy floor, as a protection coating on PVC tile, ceramic tile, marble, epoxy, glass etc

BENEFITS

- High wearing
- Fast Dry.
- Dust Proof
- Improved Resistance To Oil And Moisture Penetration.
- Ease of clean up
- Excellent in fire, chemical, abrasion resistance
- Staining resistance,
- Excellent chemical, salt water, solvent, acid, oil, alkali, wate resistance
- Water vapor permeability
- Good adhesion to substrate
- Easy maintenance
- Eco-friendly product

COLOUR

Available in Standand Colours and Clear.



CHEMICAL RESISTANCE

Cemguard HB 500 will resist spillages of:

- Dilute acids: hydrochloric, nitric, phosphoric and sulphuric.
- Dilute alkalis, including sodium hydroxide
- Most dilute organic acids.
- Fats, oil and sugar.

FINISHING

Semi Gloss

COVERAGE

Normal thickness : 0.1- 0.15 kg/m² or 2 coat.
Very thick layer : up to 0.2kg/m²

CURING

	25°C	35°C
Foot traffic. hr	10	8
Light traffic. hr	24	18
Full traffic. hr	48	24
Foot cure. days	7	5

PACKAGING

Pigmented : Part A : 11kg; Part B: 7kg

Clear : Part A : 11kg; Part B: 4.14kg

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APPLICATION PROCEDURE

Surface Preparation

Substrate should be structurally sound, clean, and free from loose particles, oil, grease and other contaminants.

Remove cement laitance, loose particles, and other contaminants from surface by mechanical cleaning preferably stone grinding and followed by vacuuming.

Mixing

Stir each component separately using a high speed (750rpm) electric drill fitted with a paint mixer or a wing type mixing paddle. Then pour the entire content of Part B into Part A and continue to mix for 2-3 minutes or until homogeneous before use. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Overmixing must be avoided to minimise air entrainment.

Thinning

If required use max 3% of **Cemguard HB 500** thinner

Cleaning

Clean all tools and application equipment immediately after use with **Cemguard HB 500** thinner. Hardened / cured material can only be removed mechanically.

POT LIFE

1 Hour.

TEMPERATURE

Cemguard HB 500 should not be applied at material or floor temperatures below 10°C or above 30°C.

PRECAUTION

Electrical and hot works are prohibited when apply **Cemguard HB 500**. Alcohol in **Cemguard HB 500** is flammable during apply and initial curing term around 4 hours.

MAINTENANCE

Regular cleaning and maintenance will prolong the life of all resin floors, enhance the appearance and reduce the tendency to retain dirt.

STORAGE & SHELF LIFE

Shelf life of approx 6 months if stored in dry conditions in the original unopened packaging at 25°C

SAFETY

Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Do not take internally. Wear skin and eye protection. Conform to local regulations for disposal. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted or test product at site to determine product compatibility.

CEMKRETE have a wealth of technical and practical experience built up over many years in our pursuit of excellence in flooring and concrete technology, customers are welcome to call our Technical Service Department.

Important Note: The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance, customers are advised to thoroughly test them before adapting them to their on use