

Product Data Sheet

Product Description

Korepox H20 is a waterborne epoxy enamel coating, specially formulated for application as dust and residue protection on concrete floor.

Korepox H20 has good chemical and abrasion resistance and act as a sealer on the concrete substrates.

Uses

Surface covering for industrial floors with mechanical, chemical and hygienic demands, such as high-shelf warehouses, in M & E room, DIY stores, power stations, auto workshop, production halls, and others.

Benefits

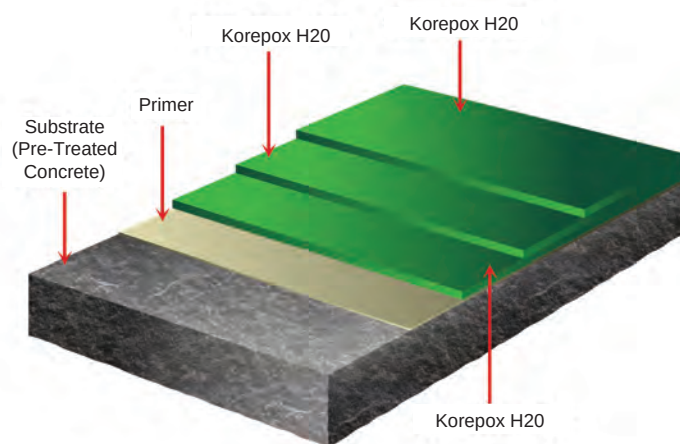
- Tough to withstand medium vehicular and pedestrian traffic.
- Joint-free and non-porous for hygienic and easy to clean floor covering layer.
- Certified "Green-Label" product.
- Water-based - Environmentally friendly.
- Tolerates damp surface and breathable.
- Economical cost.
- Non-slip glass flake finish can be tailored to requirement.

Packaging

Consists of Liquid Base A and Liquid Hardener B. As the product is pre-packed in pre-determined stoichiometry, do not split the proportioned volume & quantity individual pack.



Typical Design System



Application Data

1. Mixing Ratio	4.0 litres Part A 1.0 litre Part B
2. Packaging	5.0 L (4.0 L Part A : 1.0 L Part B)
3. Pot Life	60 mins
4. Application Temperature	5°C - 49°C
5. Density	Approx. 1.30kg / litre
6. Material Consumption	5 m ² / litre @ 100 um dft 3.3 m ² / litre @ 150 um dft
7. Drying Time Hard dry (30°C) Overcoat (30°C)	Approx. 6 - 8 hours Approx. 6 - 8 hours
8. Fully capable of withstanding stress mechanical (25°C) chemical (25°C)	After 5 days After 7 days

Ambient humidity should be below 90% RH during application and cure and substrate temperature has to be more than 3°C above dew point.

Do not cover or wash within the first 24 hours of curing.



Korepox H20

Polymeric Flooring Division

Waterborne Epoxy Coating System

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Substrate Requirement And Preparation

Please consult our detailed method statement for each engineered system.

Application

Please consult our detailed method statement for each engineered system.

Color

Various attractive colors.

Volume Solids

Approx. 50%

Finish

Satin / Semi Gloss

Physical Properties

Physical Properties	
Cured material	
1. Bending tensile strength (DIN EN 196 / ASTM C 190)	40 N / mm ²
2. Adhesive pull strength (DIN ISO 4624)	> 3.5 N / mm ²
3. Abrasion resistance (DIN 53754 / ASTM D 1044)	108 mg / 1000 cycles
4. Light-fastness (DIN EN ISO 105-B02)	6 (scale 1-8, 8=best)

Typical Recommended System

1st Coat (Primer) : 1 coat Aquapox EP101 at 40-50um
2nd Coat (Buildcoat) : 1 coat Korepox H20 at 100um
3rd Coat (Topcoat) : 1 coat Korepox H20 at 100um

* Important Note :

When applying using roller, additional coat may be required to achieve the recommended dry film thickness.

Storage

12 months in unopened pack.
Storage temperature between 5°C and 30°C.

Environment & Health

Korepox H20 is a water-based product. Nevertheless, wear minimum protective equipments such as protective clothing, gloves and goggles for personal hygiene and safety needs. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety data sheets for the individual components.

Safety Precaution

During application ensure adequate ventilation and avoid inhalation of vapors. Wear suitable protective clothing, gloves and eyes protection. The finished system is assessed as non-hazardous to health and environment

Warranty

KCC's products are warranted to be free of defects in material or workmanship. If a product does not conform with this warranty, buyer must notify KCC within 30 days of discovery of the defect from date of delivery. KCC's sole obligation under this warranty shall be at its option to credit the buyer's account, or to supply replacement material for repair.

It is expressly understood that KCC makes no other warranties concerning goods, and the sole liability of KCC for product defect shall be as set forth above. No other warranties, express or implied, whether of merchantability or of fitness for any particular use shall apply. KCC shall not be responsible for consequential damages.

Disclaimer

The above information is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given information without prior notice.



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Environmentally Preferred Coating



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