

WINGUARD HCR

Protective Coating with Outstanding Chemical Resistance

PRODUCT

WINGUARD HCR protective coating is Specially formulated Epoxy Resin based coating system with outstanding chemical resistance. The cured film provides extremely tough and smooth surface with a fairly good slip resistance. **WINGUARD HCR** protective coating has excellent adhesion to concrete and metal surfaces, outstanding chemical resistance and is unaffected by oil, grease, petrol etc. Resins together with selected pigments and thixotrope which enables a substantial film thickness formation on vertical surfaces also. It can be used in food processing areas since after curing it is taintfree.

WINGUARD HCR is two part, high build, solvent free, Epoxy Resinbased coating, available in three colours, i.e. Dark Grey and Light Grey. It is supplied in pre-measured quantities ready for site mixing and use.

BENEFITS

- Resistant to a wider range of chemicals and Acids.
- Hygienic and easily cleanable.
- Durable and abrasion resistant.
- Excellent chemicals resistant.
- Resistant to oil, grease and water.
- Excellent adhesion to most substrates.
- Easy to apply.
- Solvent free so low odor.

APPLICATIONS

WINGUARD HCR is used to provide a durable coating, with high chemical resistance. **WINGUARD HCR** protective coating provides a tough, hygienic, chemical resistant coating for walls, floors, and ducts in dairies, abattoirs, sewers, food processing areas, etc.

PROPERTIES

Colour : Dark Grey and Light Grey

Pot Life : 45 minutes, at 30°C - 45°C

Compressive Strength : > 800 kg/cm² after 7 days @ 30°C

Curing Time : at 30°C : 1 day for light foot traffic, 2 days for heavier traffic, 7 days for full chemical resistance.

Temperature Range : During application : 30°C to 35°C, in Use : -20°C to 70°C

Chemical Resistance : Please consult our Technical Department for additional information. Refer separate chemical resistance chart.

CHEMICAL RESISTANCE

The fully cured coating is resistant to the splash/spillage of the following chemicals.

Acetic Acid 25%	Car oil
Hydrochloric acid 35%	Nicotinic acid *
Ammonium Hydroxide *	Carbon tetrachloride
Hydrofluoric acid 25%	Nitric acid 30% Castor Oil
Benzene	Phenol 50% in IPA
Jet fuel	Deionised water
Benzoyl chloride	Phosphoric acid 85%
Isopropanol	Diesel fuel
Benzyl alcohol	Potassium hydroxide *
Ethylene glycol mono ethyl ether	Diethanolamine 88%
Bleach (Sodium hypochlorite)	Propylene glycol
Kerosene	Ethylene glycol
Boric Acid *	Sea water
Lactic acid 20%	Hydrogen peroxide
Brake Fluid	20% sol
Methyl isobutyl ketone	Sky droll
Brine 10%	Fatty acids
Mineral spirit	Sodium hydroxide*

WPT WINONE PRODUCT TECHNOLOGIES PVT LTD

Pune - 411007 (India). Email: wpt@winsonprotech.com www.winone.in

Products: Epoxy / Polyurethane Floor coating, Waterproofing Systems, Wood Protective Coating, Thermal Insulation Coatings, Wall Protective Coatings, Corrosion Resistant Coatings, Specialty Surface Protective Coatings, Construction chemicals & Applications.

WINGUARD HCR

Protective Coating with Outstanding Chemical Resistance

Formaldehyde 37%
Sulfanic acid *
Gasoline
Tartaric acid 50%
Hexamine 25%

Toluene
Hexane
Vegetable oils
Hydroaine 35%
Xylene

*Any Concentration in water.

APPLICATION

Surface Preparation : Surface should be sound, levelled and free from grease, oil and all loose deposits. Blow-holes and surface defects can be repaired with **WINTOP EM** epoxy putty to facilitate the application of a uniform continuous coating. Vacuum grit blasting or mechanical scrubbing techniques are recommended to ensure optimum adhesion on metal surfaces.

Priming : Apply **WINTOP EP** by brush or roller. Allow minimum 24 hrs to cure before coating of **WINGUARD HCR**.

WINTOP EP is also supplied in pre-weighed two components. Mix base and hardener by mechanical means till get uniform and homogeneous solution. A low speed drill with paddle attachments is recommended for mixing.

Mixing :

WINGUARD HCR protective coating comprises of two components, the resin **BASE** and the **HARDENER**, which are supplied pre-weighed in the correct proportions. When required for application the **HARDENER** should be poured into the can containing the **BASE** and drained well. Both the components should be thoroughly mixed using a mechanical stirrer, e.g. electric drill with paddle attachment, until the material is uniform in colour.

Application:

WINGUARD HCR protective coating should be applied by brush, roller or airless spray to give a continuous film on the prepared surface. The second coat should be applied in a similar manner at right angles to the first coat on the following day. The covering capacity of the coating will vary depending upon the porosity of the surface and the ambient temperature.

Cleaning :

Equipment should be cleaned with **WINGUARD TH TOOL CLEAN** immediately after use.

PACKING & COVERAGE

WINGUARD HCR is supplied in 1 kg or 5 kg pack. 5 kg can cover approximately 10 m² area in two coats at average DFT of 300-400 microns.

SHELF LIFE & STORAGE

WINGUARD HCR will have a shelf life of 11 months in unopened containers when kept in dry conditions at a temperature between 5°C to 35°C. Material must be kept under shaded area and away from direct sunlight. Storage at high temperature or high humidity may reduce shelf life.

TECHNICAL SERVICES

In case if you required any guidance and assistance for applications assistance and product information, we request you to consult our technical department.

Safety Note

The chemical should be stored in original packing in a dark place away from sunlight. The normal safety rules for handling chemicals should be always strictly followed in storage, handling & use.

Disclaimer: The information provided herein is derived from the best available sources. The Company will not be responsible for any loss or damage caused including liability for damage by the user of this data. It is the user's responsibility to conduct all the required tests and trials to confirm the suitability of the product. No guarantee of results is implied since conditions of use are beyond our control.

WPT WINONE PRODUCT TECHNOLOGIES PVT LTD

Pune - 411007 (India). Email: wpt@winsonprotech.com www.winone.in

Products: Epoxy / Polyurethane Floor coating, Waterproofing Systems, Wood Protective Coating, Thermal Insulation Coatings, Wall Protective Coatings, Corrosion Resistant Coatings, Specialty Surface Protective Coatings, Construction chemicals & Applications.