

K2 BARCOAT EP

Epoxy Anti Corrosive Coating for Structural Steel & Reinforcement

Description:

K2 BARCOAT EP is a two pack high performance polyamide cured epoxy coating. It is an anticorrosive coating designed to provide weather resistance to structural steel and rebar. It has good adhesion to steel and galvanized steel. It has excellent properties for toughness, abrasion resistance, chemical resistance and corrosion resistance.

Area of application:

K2 BARCOAT EP is an ideal coating for structural steel reinforcement, embedded structural steel in concrete, ferrous and metal substrates, pipe foundation, marine installation and structures expose to saline and industrial environments. It is suitable for touching up of weld seams and damage to epoxy coatings of during construction.

Benefits:

- Excellent corrosion resistance & chemical resistance.
- Excellent weather resistance.
- Ease of application- brush applied or spray.
- Protects the rebar and metal from sulphates and chlorides.
- Very good adhesion to metal surface.
- Excellent impact & abrasion resistance.
- Excellent resistance to moisture and saline conditions.
- Good resistance to water and splash of mild chemicals.
- Good moisture tolerance.

Technical Properties:

Properties	Results
Color	Light Green
Finish	Semi Glossy
Surface Drying Time (@30°C)	2 - 4 Hours
Drying Time – Hard Dry (@30°C)	16 - 24 Hours
Over coating time	16 Hrs. to 7 days
Full cure	7 days
Dry Film Thickness	45 to 50 Microns (Single Coat)
Pot Life	2 – 3 Hours depending on an ambient temperature
Mixing Ratio	Part A – Base (3.2Liter) & Part B – Hardener(0.800 Liter)
Volume Solid %	48 % approx.

Application Instruction:

SURFACE PREPARATION

- Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles by means of wire brushing

sandblasting itching etc.

- The structural steel reinforcement should be clean with a wire brush or acid cleaning to ensure cleanliness and sound substrate.

MIXING PROCESS

- K2 BARCOAT EP is supplied in pre weighed containers ready for mixing.
- Pour the contents of Part-B (Hardener) into the container of Part A (Base) and mix thoroughly, preferably by mechanical means until and even uniform green color material without streaks is produced.
- A low speed drill with paddle attachment is recommended for mixing operations.

APPLICATION

- K2 BARCOAT EP should be applied by brush or spray. Allow the coating to dry for minimum 16 to 24 hours before applying second coat.

Health & safety:

K2 BARCOAT EP is not hazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

KONKEM Industries Private Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst KONKEM Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.

Coverage:

9 to 12 Square Meters/Liter/coat for 45 to 50 microns Dry Film Thickness (Coverage may vary depending upon the surface).

Packing:

- K2 BARCOAT EP is available in 4Liter Pack.
- Pack Contains - Part A – Base (3.2Liter) & Part B – Hardener (0.800Liter).

Shelf Life and Storage:

K2 BARCOAT EP has a Shelf life of 18 Months from the date of manufacturing. Store the material in cool and dry place. Keep away from direct sunlight and heat.

mask and goggles should be worn. Contact with the skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and medical advice sought immediately.