

K2 JAPOXY EC

Epoxy resin coating for steel and concrete surfaces

Description:

K2 JAPOXY EC is a two pack, solvent epoxy coating for steel and concrete structures to provide protection from weathering, abrasion and chemicals. It provides a durable coating suitable for application to both vertical and horizontal surfaces.

Area of Application:

K2 JAPOXY EC can be applied to new and old concrete and steel structures that are structurally sound and strong, Vertical and horizontal steel, metal and galvanized surfaces, Steel tanks, Concrete wall & floor, Ducts.

Benefits:

- Excellent Adhesion.
- Resistance to oil, grease, water penetration, abrasion, weathering and chemical.
- Excellent protective coating against anti-bacteria & fungus.
- Excellent over coating characteristics.
- Available in various colors.
- Can be applied on floors and walls.
- Cost effective protective coating.
- Forms a smooth and attractive finish.

Technical Properties:

Properties	Results
Color	Blue, Dark Grey, Red, Green , Smoke Grey ,White & Crystal Clear (Special colors to order)
Pot Life At 30°C	1.5 hours
Surface Drying time	3-5 hours
Full Cure	7 days
Temperature Range :During application	5 °C TO 45 °C
DFT	50 Micron/coats.
Recommended Coats	Minimum 2 Coats with total Dry film thickness of 100 Microns OR Three coats with total Dry film thickness of 150 Microns is recommended.
Interval between two coats	3-5 hours

Application Instruction:

SURFACE PREPARATION

➤ Steel Surfaces

- Oil contaminated surfaces should be thoroughly cleaned with K2 MULTICLEAN/ K2 SOFTCLEAN and sand blasting. Where this is not possible, minimal surface preparation with wire brushing should be done. K2 JAPOXY EC can be applied directly to steel surfaces.
- Normally primer is not required for steel surface. But after grit blasting / sand blasting, if

there is any delay to in erection job, one coat of K2 JAPOXY EC is advisable to prevent further flush rust.

➤ Concrete Surfaces

- The surface must be strong and free from dirt, dust and loose particles. Thoroughly wire brush the surface and clean the dust by air compressor or wash the surface with water.
- Oil & grease must be removed using degreasing solvents or K2 MULTICLEAN.
- Repair the cracks up to 5 mm with K2 KRACKSEAL and above 5 mm cracks using K2 BOND SBR with mortar.

- Surface washed with water shall be allowed to dry completely before application of K2 Japoxy EC.

MIXING PROCESS

K2 JAPOXY EC is supplied as ready to use in pre-weighted packs of resin and hardener for easy on site mixing. Pour the hardener into the resin can, mix well using a paddle attached to an electric drill, for 2-3 minutes until a uniform mixed color is obtained.

APPLICATION PROCESS

K2 JAPOXY EC may be applied by brush or airless spray to give a continuous coating on the prepared surface. A second coat may be subsequently applied when first coat dried.

CLEANING:

Tools and mixers should be cleaned using Suitable Aromatic Solvent or thinner.

Coverage:

5 Kg pack will cover an area of approximately 18-20 m² in two coats at 100 microns DFT. However, practical coverage depends upon the nature and porosity of the substrate and application conditions.

Important Note:

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Packing:

- K2 JAPOXY EC is available in 5 kg Pack.
- Pack Contains - Part A – Base (4.250kg) & Part B – Hardener (0.750kg).

Shelf Life and Storage:

K2 JAPOXY EC has a shelf life of 12 months in unopened packs, if kept in a dry store. And protect from direct sunlight.

Health & safety:

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

FIRE

K2 JAPOXY EC is non-flammable.

Technical Support:

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



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