

Kemapoxy 129 HB

Two Components High Build Epoxy Solvent base Coating for Steel and Concrete.

Description:

- **KEMAPOXY 129 HB** is a solvent base high build coating epoxy system, two components used for producing a good quality epoxy smooth coating surface; where it is based on epoxy resin, solvent base and curing agents which are specially selected for their ability to withstand chemical attack.

Fields of Use:

- **KEMAPOXY 129 HB** is applied when high resistance to chemicals and corrosion is required, e.g containers, pipes, machines and road & bridge constructions.
- Protective coating for both steel and concrete surfaces
- It can be used in drinking water tanks and food stores.
- It can be used in hospitals for operation rooms and hospital facilities

N.B. Epoxy paints are resistant to chemicals and friction but when exposed to ultraviolet radiation, some color changes occur only while retaining chemical and mechanical resistance.

Advantages:

- High resistance to the effects of chemicals.
- High resistance to mechanical stresses.
- Is supplied in different colours.
- Has no harmful effect.
- Anti-fungus and anti – bacteria.

Technical Data :(at 25 °C)

Colour	white , grey, our catalogue colors
Solid content (by weight)	80 ± 2 %
Solid content by volume	60 ± 2%
Density	1.57 ± 0.03 kg/l
Mixing ratio A: B by weight	6 : 1
Pot life	2 hours (decreases in higher temperature)
Initial setting time	2 hours
Final setting time	24 hours
Full hardness	7 days
Recoating time	8-12 hours
Min. application temperature	10°C
Thinner	KEMSOLVE 5 (10% when needed)
Rate of use (theoretical)	3.5 m ² / kg / 100 μ-dft- (285 Gm. / m ²)

Directions for Use:

A - SURFACE PREPARATION :-

- The substrate must be clean, sound and free from all contaminants that may have an effect on the adhesion strength like dust, oils and grease, wax, cement laitance, and any other contaminants must be removed by blasting or suitable release agent .
- New concrete should be at least 28 days old.
- The surface moisture should be less than 4 %.
- Holes should be filled with **KEMA PUTTY 133**.
- Any excessed laitance or dust should be removed before applying the primer .

B - Priming the concrete surface :-

- Concrete surface should be primed with **KEMAPOXY 101** which should be mixed in the proportions supplied.

Protective Coating Products

Epoxy Paints

Directions for Use: (Continued)

C - Priming the steel surface :-

- Should be blasting for cleaning to SIS-Sa 2½ Remove all oil, grease, dirt, etc..
- Steel surface should be primed after blasting with good anti-corrosion epoxy primer like **KEMAPOXY 131 or KEMAPOXY 131 ZNP /S2** .
- Add the entire contents of part B to part A when thoroughly mixed preferably using a slow speed drill and paddle, the primer staff brushers . Spread the primer well into the concrete surface to avoid puddling or over application.
- The primer should be left to achieve a tack-free condition before applying the topcoat.

D - Mixing the top coat :-

- Mix component (A) alone, then add the entire contents of part B to part A when thoroughly mixed preferably using a slow speed drill and paddle, mixing well until homogenous state.
- Mixing these components in the quantities supplied regarding the mix ratio in technical sheet data of the product.
- Be sure that all containers are scraped clean.
- **KEMAPOXY 129 HB** may be diluted by **KEMSOLVE 5** if required (0-12) % Depending on applications tools.

E - Application of top coat :-

- The first coat of **KEMAPOXY 129 HB** should be applied using a medium haired pile roller or spray to achieve a continuous coating .
- Clean tools by **KEMSOLVE 1** .

Application Method: (Recommended thinner KEMSOLVE 5 flash point 25C°)

By brush & roller :

volume of thinner 0-8 %

Air spray:

volume of thinner 0-12%

Airless spray application :

Volume of thinner 0-10% according to DFT required

- Nozzle orifice 0.49-0.54 mm

- Nozzle pressure 15 Mpa

Guide of application:

Item	Min	Max	Act.
Film thickness dry. (μ)	60	150	100
Film thickness wet. (μ)	100	250	170
Rate of use Theo.(m ² /L)	8	3	5
Recoat time (approx.)	8-12 hrs. (depending on conditions of weather and on wet film thickness)		

Safety Precautions:

- Application should be carried out in well ventilated place.
- Gloves, protective clothing and eye goggles should be worn during application.
- Skin contaminations should be immediately cleaned with soap and plenty of water.
- Don't use solvent.
- If the material is splashed into the eyes, they should be immediately washed with water and then report to an eye specialist.
- Do not eat or smoke during application.

Storage:

- 2 years under suitable storage conditions and in closed containers.

Packages:

- Kits (A + B) 1 kg & 4 kg and 20 kg.
- Follow the mixing ratios - by weight - indicated on the package.