

KENPOXY 180

An Epoxy Resin coating for Walls & Floor.



Description

KENPOXY 180 is a epoxy resin with high protective quality to protect concrete and steel. Supplied as a two-part system of colored base and a hardener, it only requires on site mixing for easy application. KENPOXY 180 can be used in areas where in contact with foodstuff or for potable water tanks. It is solvent free and can be used safely in small rooms or tanks without the need to provide special ventilation. KENPOXY 180 coatings are antibacterial by composition.

KENPOXY 180 most suitably applied in the following industries:

- For the protection of concrete or metal tanks, internally applied or positive side
- drinking water tanks
- certain mild chemicals, oils & fuel
- Sewerage tanks/brackish water

As a chemically resistant floor or wall coating for:

- food factories
- Pharmaceutical factories
- Canning and bottling factories
- Breweries
- Schools, laboratories & hospitals
- Airports hangars
- Garages

Substrate preparation:

KENPOXY 180 must be applied to a smooth clean, dry substrate, free from dust, dirt, oil, grease and other contaminants. A well prepared surface will ensure a good adhesion between substrate and the epoxy screed.

NB - For further information on application possibilities contact KENBRO INDUSTRIES LTD, KENYA.

Advantages:

- Hard wearing
- Non-toxic
- Protective coating for floors & wall.
- High chemical resistance
- High build coating

Packaging

KENPOXY 180 is supplied in 5kg units.

Pot life:	30 minutes
Mixed density:	1.5g/cm ³
Tack free time:	Approx. 4 hours
Cure (by compressive strength):	>4N/mm ² at 12 hours >65N/mm ² at 4days
Coverage:	0.29-0.40kg / m ² / coat
Finished film thickness:	200 microns per coat depending on substrate

Mixing:

KENPOXY 180 is supplied in two components, base and reactor. No other substance is required. Add reactor to the base component and mix thoroughly until a uniform streak free color is achieved. Use a power mixer for a quick and even product.

Application:

KENPOXY 180 coating can be applied using a brush or roller. It is recommended that KENPOXY 180 coating be applied in two coats.

Prior to the application of each coat the surface should be examined for pin-holing or bubbles, Where pin-holing or bubbles is visible these should be filled using KENPOXY 220 thixotropic epoxy resin filler.

If the application of second coat is delayed more than 24 hours, the previous coat must be thoroughly abraded with sand paper, all residue from abrasion to be completely cleaned, only then the second coat should be applied. Otherwise it will not adhere to the first coat.

Overcoating:

Where areas need to be over coated due to damage, it is important that the areas to be treated are well abraded using a stiff rotary wire brush or coarse sand paper to give an adequate key. Completely strip off any unsound coating and proceed with overcoating as for new work.

Chemical resistance

KENPOXY 180 is resistant to intermittent spillages of the following chemicals:

- Formaldehyde, 40% solution
- Sulphuric Acid, 50% solution
- Hydrochloric Acid, 50% solution
- Hydrochloric Acid 5% solution
- Lactic Acid, 50% solution
- Nitric Acid, 10% solution
- Sodium Hydroxide, 50% solution
- Diesel oil or Vegetable oils
- Wine
- Sea and brackish water
- Aviation hydraulic fuels (Skydrol)

Note: Higher concentration of mineral acids may cause matting of the surface and color changes.

Equipment care:

All equipment must be cleaned immediately after use with CLEANING SOLVENT. Cleaning procedures should be done if a break period takes place exceeding 15 mins.

Specification clause

KENPOXY 180:

Where indicated, apply KENPOXY 180 protective epoxy coating as manufactured by KENBRO INDUSTRIES LTD to the following specification:

Composition:	Two component, non-toxic, pigmented solventless epoxy resin based compound.
Coverage:	0.29 to 0.40kg/m ² /coat, two coats are recommended.
Dry film thickness:	180 to 240 microns/coat.

Storage:

Store out of direct sunlight and protect from extremes of temperature and should be covered at all times. In tropical climates the product must be stored in an air conditioned environment.

Failure to comply with the recommended storage conditions may result in the product drying and will harden, which will be of no use.

All information provided herein is true, accurate and is represented to the best of our knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors. As the conditions of use and the competence of any labor involved in the application are beyond our control.

For specific storage advice consult KENBRO INDUSTRIES LTD Technical Services Department.

Safety precautions:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. If in contact with eyes or skin treat immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Note:

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KENBRO INDUSTRIES LTD representative.

KENBRO INDUSTRIES LTD reserves the right to have the true cause of any difficulty determined by accepted test methods.

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