

Kemapoxy 154 GF/S

Wear and corrosion resistant, high solids, epoxy coating Reinforced with glass flakes.

Description:

KEMAPOXY 154-GF/S is a 2 component high build mastic coating reinforced with chemically inert glass flake with low VOC based on epoxy resin cured with suitable hardener.

Fields of Use:

- Coating of steel structures in industrial plants.
- Coating of oil tanks and pipelines.
- Coating of concrete and steel bridges.
- Coating of towers exposed to corrosive environment in marine atmosphere

Advantages:

- high- quality system proved to have an outstanding durability in many applications exposed to corrosive environment.
- Protective coating in all corrosive environment including splash zone areas of Offshore structures subject to humid and saline conditions.
- It has good resistance to spillage and fumes of acids, alkalis.
- It is an ideal and economical replacement for the old system that used fiberglass net and epoxy sandwich.
- It is mainly used as finish coat, intermediate coat When a polyurethane final paint such as “Kimapoxy 129” PUR is required and sometimes as self-priming coat on properly prepared steel surface.

Technical Data (at 25°C):

Colour	: gray
Density	: 1.31 ± 0.02 gm/cm ³
Mix ratio (by weight)	:3A:1B
Mix ratio (by volume)	:2A:1B
Solid content by volume	:91 % approximately
Pot life	: 60 min (decreases with increase temperature)
Final setting time	: 24 hours
Full hardness	7 days
Application of second coat	: 24 hours
Solvent	: Kemsolv 3 (not more than 3 %)
Rate of use (theoretical)	: 290 gm/m ² / thickness 200 micron

Chemicals for Modern Building International

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Directions for Use:

*Surface Preparation and Primer Coat:

1- New concrete surface:

- Must be dry, dampness not more than 4% with minimum concrete age 28 days.
- Must be clean, free from dust, laitance, curing compound, oil, grease.....etc.
- Apply primer coat of Kemapoxy 101 or Kemapoxy 101 SF

2- Old concrete surface:

- Remove oil, grease and other contaminations by Kemsolv 1.
- Remove water soluble contaminants by fresh water.
- Remove old paints and roughen the surface by light sand blasting
- The surface should be perfectly dry and clean before Applying the primer coat of Kemapoxy 101 or Kemapoxy 101 SF

3-Steel surface:

- Clean the surface by sand blasting to Sa2.5 To reach a dry surface free of rust, forming scales, soldering excess, oil, grease and dust.
- Apply primer coat of ” Kemapoxy 131 ZNP/S” directly after cleaning.

*Mixing and Application:

- Stir component A Thoroughly.
- The two components A,B of **Kemapoxy 154 GF/S** should be thoroughly mixed together using a slow speed mixer (maximum 300 rpm.)
- . Allow the mixture to stand still for about 10 minutes to initiate the reaction, then add thinner into the mix, if required and stir for three minutes.
- Apply By brush for small areas, in case of large areas airless spray is used with nozzle pressure 3000-3200 psi, nozzle orifice 0.53-0.79 mm.

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.

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Storage/Shelf life:

- 2 years (under suitable storage conditions in closed containers)

Packages:

- Kits (A+B) 1 Kg and 4 Kg.
- Follow the mixing ratios, indicated on the package

DISCLAIMER:

- The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice minor product variations may be implemented in order to comply with local requirements

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