

### Kemapoxy 152

High Chemical and Mechanical Resistance Epoxy Coating Transparent or Coloured.

#### Description:

- **KEMAPOXY 152** is a glossy transparent or coloured high quality; solvent free 2 components epoxy coating based on liquid epoxy resin, selected pigments, additives, and formulated amine hardener.
- Approved from National Organization for potable water and sanitary drainage for sanitary projects.
- Complies with ES 3303.

#### Fields of Use:

- Kemapoxy 152 transparent is suitable as a sealer or primer for wet or dry concrete surfaces before epoxy protection systems such as kemapoxy 152 colored system .
- Coating for walls, screeds and flooring subjected to the actions of high concentrated chemicals and severe conditions e.g. walls and flooring of chemical Plants, workshops, boiler units distilleries, dairies, laundries, garages, abattoirs, nuclear power stations, stores and hospital rooms.
- Coating for bridges and road structure, water and sewage plants.
- Coating of steel tanks, pipes, machines and all steel structures that are subjected to the actions of chemicals or severe conditions.
- Can be applied on wooden, cement and plastered surfaces.
- Adheres firmly on dry as well as on wet concrete surfaces.

**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:

- Is water - proof and resistant to salts, dilute acids, alkalis and a wide range of different chemicals and solvents.
- High resistance to friction and abrasion.
- Adheres firmly to metallic and concrete surfaces.
- Can be applied on moist and wet surfaces.

#### Technical Data :(at 25 °C)

Colour	Transparent/Coloured
Solid content	100 %
Density (kg / l )	1.08 ± 0.02 trans, 1.36 ± 0.02 coloured
Mixing ratio A: B (by weight)	1.7:1 (trans), 3: 1 (coloured)
Pot life	30 minutes (decreases at higher temperatures)
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Recoating time	18 - 24 hours
Min. application temperature	5°C
Thinner	KEMSOLVE 4 or KEMSOLVE3 max. 5%
Rate of use ( theoretical)	220 gm/m <sup>2</sup> /coat 200 μ ( transparent) 275 gm/m <sup>2</sup> /coat 200 u (coloured)

## Epoxy Paints

**Chemical resistance :**( Immersion time 7 days

( For transparent, black, bricky red, grey)

Hydrochloric acid 25% ex

Nitric acid 20% ex

Potassium hydroxide 50% exAmmonium nitrate ex

**ex:** excellent ( no softening + no bubbles + no change in colour)

g: good ( no softening + no bubbles +slight change in colour and weight )

- The surface should be cleaned from dust, oil, grease and loose particles.
- It is recommended to apply a primer coat of **KEMAOPXY 101** or kemapoxy152 transparent for wooden or concrete surfaces, or **KEMAPOXY 131** for steel surfaces, before coating with **KEMAPOXY 152** colored .
- Mix well the two components of **KEMAPOXY 152** using slow speed mixer (300 r.p.m. maximum).
- Coating is applied using brush or roller.
- Apply one or more coats of **KEMAPOXY 152** according to the thickness required.
- **KEMAPOXY 152** gives a smooth and polished surface that suits the floors of nuclear power plants, chemical plants and operation rooms in hospitals.
- To obtain a skid - resistant surface, a layer of fine sand (0.2 - 0.7 mm. diameter at a rate of 1 kg/m<sup>2</sup>) is sprinkled on the primed surface, or on the first coat while still wet. Then apply the final coat of **KEMAPOXY 152** at a rate of 400 - 800 gm/m<sup>2</sup>.
- Clean tools by **KEMSOLVE 1**.
- N.B. To avoid color deviation from one patch to another, only use the same patch number in the same area.

- 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.

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

- Kits (A+B) 1 kg and 2.7 kg (transparent).
- Kits (A+B) 1 kg and 4.0 kg (coloured).
- Follow the mixing ratios - by weight - indicated on the package.