Kemapoxy 151 E

High Mechanical & Chemical Resistance, For walls and floors of potable water & Industrial projects.

**Description:**
- **KEMAPOXY 151 E** is a high quality two components solvent free epoxy coating based on liquid epoxy resin, selected pigments, additives and a formulated hardener.
- Complies with Egyptian standards specifications for potable water projects.
- Approved by national organization for potable water and sanitary drainage for potable water projects.
- Complies with ES 6447.

**Advantages:**
- Anti fungus and anti bacteria.

**Fields of Application:**
- Coating for walls, screeds and flooring subjected to the actions of chemicals and severe conditions e.g. walls and flooring of potable water tanks, chemical plants, textile shops, workshops, distilleries, dairies, laundries, abattoirs, garages, nuclear power stations, stores, and hospital rooms.
- Coating for bridge and road structure, water and sewage plants.
- Coating for steel tanks, pipes, machine and all steel structure that are subjected to the actions of chemicals or severe conditions.
- Can be applied on wooden, cement and plastered surfaces or steel 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.

**Technical Data**: *(at 25 °C)*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>white and grey</td>
</tr>
<tr>
<td>Solid content</td>
<td>100 %</td>
</tr>
<tr>
<td>Density (kg/L)</td>
<td>1.34 ± 0.05</td>
</tr>
<tr>
<td>Mixing ratio A: B</td>
<td>3 : 1 by weight</td>
</tr>
<tr>
<td>Pot life</td>
<td>75 min (decreases at higher temperatures)</td>
</tr>
<tr>
<td>Initial setting time</td>
<td>8 hours</td>
</tr>
<tr>
<td>Final setting time</td>
<td>24 hours</td>
</tr>
<tr>
<td>Full hardness</td>
<td>7 days</td>
</tr>
<tr>
<td>Application of second coat</td>
<td>18-24 hours</td>
</tr>
<tr>
<td>Min. application temperature</td>
<td>5°C</td>
</tr>
<tr>
<td>Rate of use on leveled surfaces</td>
<td>205 gm/m²/one coat (150 micron thickness)</td>
</tr>
<tr>
<td>Solvent</td>
<td>Kemsolve 151E (7% if required)</td>
</tr>
<tr>
<td>Chemical resistances</td>
<td>refer to technical department</td>
</tr>
</tbody>
</table>

**Application:**
- The surface should be dry and cleaned from dust, oil, grease, loose particles and rust.
- It is recommended to apply a primer coat of KEMAPOXY 101 for concrete surfaces or KEMAPOXY 131 ZNP for steel surfaces before coating with Kemapoxy 151 E.
- Mix well the two components of Kemapoxy 151 E using a slow speed mixer (300 r.p.m. maximum) then pour the mixture in flat container to increase the pot life.
- Kemapoxy 151 E can be thinned with 7% Kemsolve 151E if required.
- Coating is applied using brush roller or airless sprayer.
- Apply one or more coats of Kemapoxy 151 E according to the thickness required.
  - At least 18 hours should elapse between successive coats.
- Tools cleaned by using Kemsolv 1.

**Notes:**
- It is recommended not to mix the product if its temperature is higher than 25°C and then pour the mix in flat container to avoid decrease of pot life.
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.
- 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 and temperature not more than 30 °C.

Packages:
- 1 & 4 kg (groups of A + B).

** Follow the mixing ratios by weight as indicated on the pails.