

Two Components Epoxy Solvent Base Coating for Steel and Concrete.

DEFINITION

Novo Coat TF 200 is a solvent base 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.

ADVANTAGES

1. Easy and fast to apply.
2. Good Smoothing surface.
3. Durable, low maintenance costs.
4. Good adhesion.
5. Good resistance for abrasion, chemicals and for petroleum products.
6. Anti-microbial growth.
7. Available in wide range of colors.

FIELDS OF USE

Novo Coat TF 200 is used for producing high quality epoxy coating area for:

- Protective coating of both steel and concrete even in internal and external uses.
- Water proof and protective coating in sewage treatment plants.
- Suitable as protective coating in off shore and marine environments.
- Tank lining and pipe coating (steel and concrete).
- Locks and harbor facilities.

PROPERTIES @ 25 C°

<i>Color</i>	White, grey, all required colors
<i>Gloss</i>	Semi-gloss
<i>Solid content by (WT)</i>	75 ± 2 %
<i>Solid content by (Vol.)</i>	55 ± 2 %
<i>Mixing Ratio</i>	5.67 A: 1 B
<i>Specific gravity (mix)</i>	1.55 ± 0.03 g/cm ³
<i>Pot life</i>	3 hrs.
<i>Temp. of Application</i>	(15 – 35) C°
<i>Full curing time</i>	7 days
<i>Rate of use</i>	4 -5 m ² / kg - 100 μ-dft. (Depending on surface conditions)

DIRECTIONS OF USE

✓ 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 **Novo Putty EP**.
- Any excessed laitance or dust should be removed before applying novo prime.

✓ Priming the concrete surface

- Concrete surface should be primed with **Novo Prime 150 L.V** which should be mixed in the proportions supplied.

✓ 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 **Novo prime ZP 100**.
- Add the entire contents of Part B to Part A when thoroughly mixed preferably using a slow speed drill and paddle, the primer staff brushes. 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.

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✓ **Mixing the top coat**

- In a separate mixing vessel, use a slow speed drill and mixing paddle to mix part A and part B for 3 minutes.
- Mixing these components in the quantities supplied regarding the mix ratio in technical data sheet of the product.
- Be sure that all containers are scraped clean.
- **Novo Coat TF 200** may be diluted by **Novo Sol X2 or Novo Sol 13** if required (5-15) %.

✓ **Application of top coat**

- The first coat of **Novo Coat TF 200** should be applied using a medium haired pile roller or spray to achieve a continuous coating.
- Ensure that loose hairs in the roller are removed before use. A minimum film thickness of 150 microns should be applied.

- **Application method**

(Recommended thinner **Novo Sol X2 or Novo sol 13**) flash point 25C°.

By brush & roller

Volume of thinner 0 - 5%

Air spray

Volume of thinner 0 – 10%

Airless spray application

- Volume of thinner 0 – 15 %
according to dft required
- Nozzle orifice 0.49 - 0.54 mm
- Nozzle pressure 15 Mpa.

STORAGE

One year under suitable storage conditions.

PACKING

- Group (A +B) = 5 kg & 25 kg

HEALTH AND SAFETY

- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations incase application by spraying.
- No smoking.
- **Novo Coat TF 200** and **NOVO SOL** keeps away from sources of ignition.
- In the event of fire, extinguish with CO2 or foam.
- Do not use water jet.
- For skin contact, remove it with suitable cream followed by soap and water cleaning.
- For eye contact, rinse with plenty clean water then seek to medical advice

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