

Heavy duty 5mm thick solvent free epoxy Screed for industrial areas.

DEFINITION

Novo Floor TF 5 is a solvent free, three components screed system consisting of epoxy resin (A), hardener (B) and quartz silica filler (C).

Novo Floor TF 5 provides excellent mechanical properties, a high resistance to wear and wide variety of chemicals. This system is designed as heavy duty topping for industrial floor with 5mm thickness.

ADVANTAGES

1. Easy and fast to apply.
2. Economical.
3. Good adhesion.
4. Good resistance for abrasion, chemicals and petroleum products.
5. High compressive and tensile strength.
6. Solvent free.
7. Available with different colors.

FIELDS OF USE

Novo Floor TF 5 is used for producing high quality self-leveling epoxy flooring for:

1. Chemical plants and process areas.
2. Heavy engineering plants and steel works.
3. Ware house and dairy.
4. Workshops, oil refineries and plating factories.
5. Electricity substations and battery rooms.
6. Food processing plants.
7. Under machines and other equipment.

PROPERTIES @ 25 C°

Color	Gray, and many colors
Gloss	Glossy
Solid content by (WT)	100 %
Mixing Ratio	3.77 A: 1 B: 28.57 C
Specific gravity (mix)	2.0 ± 0.2 g/cm ³
Pot life	40 min.
Temp. of Application	(15 – 35) C°
Full curing time	7 days
Compressive strength @ 7 days	65 N/mm ²
Tensile strength @ 7 days	15 N/m m ²
Rate of use	11.5 kg /m ² - 5MM (depending on surface conditions)

CHEMICAL RESISTANCE

<i>Hydrochloric Acid</i>	Excellent
<i>Tartaric acid</i>	Excellent
<i>Sodium Hydroxide</i>	Excellent
<i>Sulphuric acid</i>	Very Good
<i>Diesel / Petrol</i>	Excellent
<i>Lactic acid</i>	Very Good
<i>Phosphoric acid</i>	Very Good
<i>Nitric acid</i>	Very Good
<i>Hydrocarbon</i>	Very Good

DIRECTIONS OF USE

- ✓ **Concrete surface preparation**
 - The substrate must be clean, sound and free from all contaminants that may affect 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 %
 - Any excessed laitance or dust should be removed before applying novo prime.
 - Apply **Novo Prime 150L.V** or **Novo prime SF** and allow curing.
 - Add comp B (ensure all liquid of comp B is added) to comp A and mix well then added comp C on the mixtures step by step and stirring during addition of comp C. Stirring after finish adding of comp C by using slow mixer 300rpm / min till obtaining homogenous mortar.
- **Novo Floor TF 5** is poured onto the primed surface and spread with a steel trowel to achieve a 2mm seamless topping.
- Using a spiked roller, remove air entrained and allow curing.
- The epoxy screed shall be applied when the primer is still in tacky stage. Discharge material from the mixer and place into the floor. Spread the mass with trowel to get a thick and smooth uniform.
- **Novo Floor TF 5** may be diluted by **Novo Sol 14** not more than 4% if required.
- ✓ **CLEANING**
 - Clean the equipment immediately after use with **Novo Sol T 09** or thinner.

NOVOCHEM S.AE

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STORAGE

- Store under cover, out of direct sunlight and protect from extreme temperature.
- In tropical climates the product must be stored in air-conditioned environment.
- Shelf life is up to 12 months when stored regarding recommendations. (10 -27) C°

PACKING

Group = 25 KG

HEALTH AND SAFETY

- **Novo Floor TF5, Novo Prime 150 LV and Novo Sol** keep away from sources of ignition.
- No smoking.
- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations in case of spraying application.
- For skin contact, remove it with suitable cream followed by soap and water cleaning.
- For eye contact, rinse with plenty clean water then ask for medical advice
- In the event of fire, extinguish with CO2 or foam.
- Do not use water jet.



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