High Build Free Solvent Epoxy Floor Coating.

DEFINITION

Novo Floor SF 150 is a solvent free flooring epoxy system; two components, used for producing a high-quality epoxy smooth flooring with a high glossy surface, where it is based on epoxy resin and agents that are specially selected for their ability to withstand chemical attack.

ADVANTAGES

1. Easy and fast to apply.
2. Self – smoothing surface.
3. Durable, low maintenance costs.
4. Solvent free – no odor during application.
5. Good adhesion.
6. Good resistance for abrasion, chemicals and petroleum and oils products.
7. Anti-microbial growth.
8. Can be used for producing anti-slip flooring.
9. Available in wide range of colors.

FIELDS OF USE

Novo Floor SF 150 is used for producing high quality epoxy flooring area in:

1. Chemical industries.
2. Bottling plants.
3. Pharm. industries.
4. Cosmetic firms.
5. Underground car Parks.
6. Storage and logistic areas.
7. Anti-bacteria; as Hygienic, bacteria cannot growth on **Novo Floor SF 150** surface…etc.

PROPERTIES @ 25 C°

Color	White, grey, all required colors
Gloss	Glossy
Solid content by (WT)	100 %
Mixing Ratio	4 A: 1 B
Specific gravity (mix)	1. 60 ± 0.03 g/cm^3
Pot life	35 min.
Temp. of Application	(15 – 35) C°
Full curing time	7 days
Rate of use	3 -5 m^2/ kg (depending on surface conditions)

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.

✓ *Acid etching concrete surface (if necessary)*

- The concrete surface should be sprayed by diluted muriatic acid (Hydrochloric acid), phosphoric acid or other suitable chemicals to the removal of efflorescence or mineral deposit and to adjust PH concrete surface, then the surface must be washed well with clean water and left to well dry before application.
- Avoid preparing the surface by acid etching method when reinforced concrete surface containing cracks.
- 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** that should be mixed in the proportions supplied.
- Add the entire contents of Part B can to Part A can. When completely mixed, it is preferred using a slow speed drill and paddle, the primer staff brushes. Spread the primer well on the surface of the concrete to avoid pudding or over application.
- The primer should be left to achieve a tack-free condition before applying the topcoat.
- A second coat of primer may be required if the substrate is excessively porous.

✓ *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.

World Of Chemistry

15709

- Be sure that all containers are scraped clean. **Novo Floor SF 150** may be diluted by **Novo Sol 14** or **Novo Sol 13** not more than 4 % if required.

✓ Application of top coat

- The first coat of **Novo Floor SF 150** should be applied using a medium haired pile roller or squeegee to achieve a continuous coating.
- Ensure that loose hairs in the roller are removed before use. A minimum film thickness of 200 microns should be applied. They can be increased where specifications demand.
- If a slip resistant texture is required, the base coat should now be dressed with the chosen **Novo Floor Anti-Slip** Grain. This should be done as soon as possible after laying. The recommended procedure is to completely blind the base coat i.e., Apply excess aggregate to completely obliterate the base coating. Alternatively, **Novo Floor Anti-slip** grains can be broadcast in a light random dressing to provide a less dense finish. When the base coat has reached initial cure, the excess aggregate should be vacuum cleaned from the surface. The topcoat can be applied by medium haired roller. Care should be taken to ensure that a continuous film is achieved and the rough surface, this topcoat must be applied within 36 hours @ 20°C (15 hours @ 35°C) of the application of the first coat.

Expansion Joint

Expansion joint; the existing substrate must be retained and continued through the **Novo Floor SF150** topping. **NOVOCHEM** have a range of joint sealants specifically designed.

MECHANICAL & CHEMICAL TEST@25 C°

TEST	RESULT	STANDARD
Abrasion resistance	21 Mg	ASTM D 1060
Hardness test	12 N	ASTM D 3363
Pull off test	5 Mpa	ASTM D 3359
Water proofing	0.1 %	E.S 3303 / 2007
H2SO4 Conc .10 %	Pass	E.S 3303/ 2007
NaOH Conc. 20 %	Pass	E.S 3303 / 2007
Acetic acid 2 %	Pass	E.S 3303 / 2007
Tensile strength	45 N /Mm 2	ASTM D 2370
Flexural strength	75 N / Mm 2	ASTM C 580

STORAGE
One year under suitable storage conditions.
(10 – 27) C°

PACKING
Group (A +B) = 5 kg

HEALTH AND SAFETY
- 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 seek to medical advice.

NOVOCHEM S.AE

المقر الرئيس والمصنع

مصر – الجيزة – مدينة السادس من أكتوبر – المنطقة الصناعية الثالثة – بلوك 91.102.103

Headquarters and Factory
Egypt - Giza- 6th of October City - 3rd Industrial Zone - Blocks 91,102,103

Tel. : (+202) 369 182 33
Fax: (+202) 369 182 32
🌐 www.novochem.net
✉ info@novochem.net
📷 f Novochem

Scan Me

ISO 14001 - 2015 / 9001 - 2015 / 45001 - 2018

IAF

NOVO TECH

environmental friendly

World Of Chemistry

15709