

## Self – Leveling Flooring Epoxy for 2-4 mm Application.

### DEFINITION

**Novo Floor SL** is solvent free flooring epoxy system, contains three compounds, uses for producing a high-quality epoxy self-leveling flooring with different thickness 2-3- 4 mm.

### ADVANTAGES

1. Easy and fast to apply.
2. Economical.
3. Good adhesion.
4. Good resistance for abrasion, chemicals and petroleum products.
5. Impact resistance.
6. Anti-bacteria.
7. Can be used for producing anti-slip flooring.
8. Available with different colors.

### FIELDS OF USE

**Novo Floor SL** is used for producing high quality self-leveling epoxy flooring for:

1. Foods and medicine factories.
2. Water and electric stations.
3. Storage and logistic areas.
4. Bottling plants, etc.

### PROPERTIES @ 25 C°

<b>Color</b>	White, grey, and many colors
<b>Gloss</b>	Glossy
<b>Solid content by (WT)</b>	100 %
<b>Mixing Ratio</b>	0.284A: 0.116 B: 0.600 C
<b>Specific gravity (mix)</b>	1. 65 ± 0.03 g/cm <sup>3</sup>
<b>Pot life</b>	35 min.
<b>Temp. of Application</b>	(15 – 35) C°
<b>Full curing time</b>	7 days
<b>Rate of use</b>	3 – 4 kg /m <sup>2</sup> / 2 mm (Depending on surface conditions)
<b>Shelf life</b>	12 months in suitable storage 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 by 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 %.
- The compressive strength should not be less than 25 MPa.
- Holes should be filled with epoxy putty.
- Any excessed laitance or dust should be removed before applying novo prime.
- Apply **Novo Prime 150 L.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 add comp C on the mixture 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 SL** is poured on 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
- **Novo Floor SL** should be applied by specialist contractors who must follow the procedures laid down in the product application guide.
- **Novo Floor SL** may be diluted by **Novo Sol 14** not more than 4 % if required.

### NOVOCHEM S.AE

#### المقر الرئيس والمصنع

91.102.103 الجيزة – مدينة السادس من أكتوبر – المنطقة الصناعية الثالثة – بلوك 91,102,103

#### Headquarters and Factory

Egypt - Giza- 6<sup>th</sup> of October City - 3<sup>rd</sup> Industrial Zone - Blocks 91,102,103

Tel. : (+202) 369 182 33

Fax: (+202) 369 182 32

[www.novochem.net](http://www.novochem.net)

[info@novochem.net](mailto:info@novochem.net)

[Novochem](#)



## MECHANICAL & CHEMICAL TEST@ 25 C°

TEST	RESULT	STANDARD
Abrasion resistance	40 Mg	ASTM D 1060
Hardness test	11 N	ASTM D 3363
Pull off test	3.6 Mpa	ASTM D 3359
Water proofing H2SO4 Conc. .10 %	0.05 %	E.S 3303 / 2007
NaOH Conc. 20 %	Pass	E.S 3303
Acetic acid 2 %	Pass	E.S 3303 / 2007
Tensile strength	45 N /Mm2	ASTM D 2370
Flexural strength	70 N / Mm2	ASTM C 580



### STORAGE

Store under suitable storage conditions in glossed packing not store in direct sun, temperature (10 -27) C°

### PACKING

Group (A +B+C) = 12.5 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.



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[Instagram](#) [Facebook](#) Novochem

