

## Solvent Base Epoxy Coating Matt .

### DEFINITION

**Novo Coat SB 100 M** is a solvent base coating epoxy matt system two components that used for producing high quality epoxy smooth coating; 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 smooth surface.
3. Durable, low maintenance costs.
4. Good adhesion.
5. High resistance for abrasion, chemicals and petroleum products.
6. Anti-microbial growth.
7. Available in wide range of colors.

### FIELDS OF USE

**Novo Coat SB 100 M** is used for producing high quality epoxy flooring area for

1. Wall and flooring system.
2. Coating steel, concrete and aluminum as internal protective coating due to its highly chemical resistance and smooth finish.
3. It is recommended in industrial areas.

### PROPERTIES @ 25 C°

<b>Color</b>	White, grey, all required colors
<b>Gloss</b>	MATT
<b>Solid content by (WT)</b>	64 ± 2 %
<b>Solid content by (Vol.)</b>	41 ± 2 %
<b>Mixing Ratio</b>	4 A: 1 B
<b>Specific gravity (mix)</b>	1.35 ± 0.05 g/cm <sup>3</sup>
<b>Pot life</b>	3 hrs.
<b>Temp. of Application</b>	(10 – 35) C°
<b>Full curing time</b>	7 days
<b>Rate of use</b>	3 -4 m <sup>2</sup> / kg - 100μ-dft. (Depending on surface conditions)

### DIRECTIONS OF USE

#### ✓ Concrete surface preparation

- The substrate must be clean, sound and free from all contaminants that may be affected the adhesion strength like dust, oils and grease, wax, cement laitance, and any others. As they must be removed by blasting or by 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) or phosphoric acid or other suitable chemicals to the removal of efflorescence or mineral deposit and to adjustment PH concrete surface, then the surface must be washed well by clean water and left to well dry before applying.
- Avoid preparing surface by acid etching method when reinforced concrete surface is contained 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** which should be mixed in the proportions supplied.

#### ✓ Priming the steel surface

- It should be blasted for cleaning to SIS-Sa 2½ remove all oil, grease, dirt, etc.

- Steel surface should be primed after blasting with good anticorrosion primer like **Novo prime ZP 100** or with **Novo prime ZR 200**

- Add the entire contents of part **B** can to Part **A**. When thoroughly mixed preferably using a slow speed drill and paddle, the primer staff brushes. Work the primer well into the concrete surface taking care to avoid puddling or over application.

- The primer should be left to achieve a tack-free condition before applying the topcoat.

#### NOVOCHEM S.AE

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✓ **For wall surface**

The surface moisture should be less than 4 %

Holes should be filled with **Novo Fair Top**.

Any excessed laitance or dust should be removed before applying.

✓ **Mixing the top coat**

- In a separate mixing vessel, use a slow speed drill and mixing paddle to mix the part A and part B for 3 minutes.
- Mixing these components in the quantities supplied taking or regarding the mix ratio in technical data sheet of the product.
- Care to ensure all containers are scraped clean.
- **Novo Coat SB 100 M** may be diluted by **Novo Sol 100 M** should use for thinned of **Novo Coat SB 100 M** if required.

✓ **Application of top coat**

- The first coat of **Novo Coat SB 100 M** 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.

(0.020-0.022 Inch)

Nozzle pressure 15Mpa.

**STORAGE**

- One year under suitable storage conditions.

**PACKING**

- Group (A +B) = 4 kg

**HEALTH AND SAFETY**

- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations in case of spray applying.
- No smoking.
- **Novo Coat SB 100 M** and **Novo Sol** keep 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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