

Two Component Epoxy Water base Coating for Concrete.

DEFINITION

Novo Coat EPW is a water base coating epoxy system two components used for producing good quality epoxy smooth coating surface, where it based on epoxy water base coating system 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. Solvent free so it is environmentally friendly (ECO.).
7. Anti-microbial growth.
8. Available in wide range of colors.

FIELDS OF USE

Novo Coat EPW used for producing high quality epoxy coating area for:

- Protective coating for concrete surfaces.
- Water proof and protective coating in sewage treatment plants.
- Suitable as protective coating in offshore and marine environments.
- Tank lining and pipe coating.
- Locks and harbor facilities.

PROPERTIES @ 25 C°

Color	White, grey, all required colors
Gloss	Semi-gloss
Solid content by (WT)	75 ± 2 %
Solid content by (Vol.)	63 ± 2 %
Mixing Ratio	1 A: 3 B
Specific gravity (mix)	1.40 ± 0.03 g/cm ³
Pot life	30 - 45 min.
Temp. of Application	(15 – 35) C°
Full curing time	7 days
Rate of use	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 EPW** which should be mixed in the proportions supplied.
- Add the entire contents of Part **A** can to Part **B** can. Then start mix good using a slow speed drill and paddle, the primer staff brushes. Spread the primer well into the surface of the concrete taking care to avoid puddling or over application.
- The primer should be left to achieve a tack-free condition before applying the topcoat.

✓ 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 taking or regarding the mix ratio in technical data sheet of the product.
- Care to ensure all containers are scraped clean.
- **Novo Coat EPW** may be diluted by water if required (not more than 5 %)

✓ Application of top coat

- The first coat of **Novo Coat EPW** 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.

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✓ **CLEAN-UP**

Wash tools and equipment with warm water and a mild detergent immediately after use. To remove dried product use lacquer thinner. Clean up drips or spatters immediately with water as dried paint is very difficult to remove. Properly dispose of all soiled rags.

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 incase application by spraying.
- No smoking.
- **Novo Coat EPW** keeps away from sources of ignition.
- In the event of fire, extinguish with CO2 or foam.
- 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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