

Two components coal-tar epoxy Coating for steel and concrete.

DEFINITION

Novo Coat ET 150 is two components liquid epoxy resin modified with highly refined coal- tar pitch and selective curing agent. It's a solvent free coal – tar Epoxy.

ADVANTAGES

1. Easy and fast to apply.
2. Excellent water resistant.
3. Good adhesion.
4. Good resistance for abrasion, chemicals and petroleum products.
5. Anti-microbial growth.
6. No primer needed.
7. High build film coating.

FIELDS OF USE

Novo Coat ET 150 is used as

1. Protective coating for both steel and concrete even in internal and external uses.
2. Water proof and protective coating in sewage treatment.
3. Suitable as protective coating in off shore and marine environments.
4. Tank's lining and pipe coating (steel and concrete).
5. Locks and harbor facilities...etc.

PROPERTIES @ 25 C°

Color	Black & Brown
Gloss	Semi-gloss
Solid content by (WT)	94 ± 2 %
Mixing Ratio	1 A: 7.33 B
Specific gravity (mix)	1.7 ± 0.03 g/cm ³
Pot life	3 hrs.
Time between two coats	24 hrs.
Temp. of Application	(15 – 35) C°
Full curing time	7 days
Rate of use	3 – 4 m ² / kg / 100 μ (Depending on surface conditions)

DIRECTIONS OF USE

✓ Concrete 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.

✓ Steel surface preparation

- Should be blasting for cleaning to SIS-Sa 2½
- Remove all oil, grease, dirt... etc.

✓ Mixing

- In a separate mixing vessel, use a slow speed drill and mixing paddle to mix part B and part A for 3 minutes, then added comp A to comp B and mix well to obtain homogenous state
- Be sure that all containers are scraped clean.
- **Novo Coat ET 150** may be diluted by **Novo Sol 14** not more than 4 % if required or **Novo Sol 13** not more than 10 % if required.

✓ Application

By brush & roller:

Volume of thinner 0 - 5%

Air spray:

Volume of thinner 0-7%

Airless spray application:

Volume of thinner 0-10%

according to dft required

Nozzle orifice 0.49 – 0.54 mm.

(0.020-0.022 inch)

Nozzle pressure 15Mpa.

- For easier application use red pigment for intermediate coats.

NOVOCHEM S.AE

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MECHANICAL & CHEMICAL TEST

TEST	RESULT	STANDARD
<i>Water proofing</i>	0.075 %	ASTM D 1079
<i>H2SO4 Conc .10 %</i>	Pass	E.S 3303
<i>NaOH Conc. 20 %</i>	Pass	E.S 3303 / 2007
<i>Acetic acid 2 %</i>	Pass	E.S 3303 / 2007



STORAGE

One year under suitable storage conditions.

PACKING

Group (A +B) = 5 & 25 kg

HEALTH AND SAFETY

- Novo **Coat ET 150** and **Novo Sol** are flammable, keep away from sources of ignition. No smoking.
- In the event of fire, extinguish with CO² or foam.
- Do not use water jet.
- **Novo coat ET 150** and **Novo Sol** should not come in contact with skin and eyes or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapors.
- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations incase application by spraying.
- 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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