# Val-Epoxy CT 120

High Chemical Resistance Coal-Tar Epoxy Coating for Steel and Concrete.

Description:

- VAL-EPOXY CT 120 is a two components epoxy modified with coal tar.
- VAL-EPOXY CT 120 complies with ES: 3303.

Advantages:

- Good resistance to the effect of chemicals and waste water.
- High bonding strength on various surfaces as concrete or steel.
- Nearly solvent free.

Fields of Use:

- VAL-EPOXY CT 120: is applied when high resistance to chemicals and corrosion is required e.g., containers, pipes, underground water and marine structures, machines, road and bridge construction, and sewage plants. It can be applied in one or more coats to achieve required thickness.

N.B. Epoxy paints are resistant to chemicals and friction but when exposed to ultraviolet radiation, some color changes occur only while retaining chemical and mechanical resistance.

Technical Data :(at 25 ºC)

- Colour: Black
- Solid content (by weight): 97 ± 1 %
- Density: 1.31 ± 0.02 kg/l
- Mixing ratio: A : B by weight 3 : 1
- Pot life: 60 minutes ( decreases at higher temperatures)
- Initial setting time: 14 hours
- Final setting time: 24 hours
- Full hardness: 7 days
- Recoating time: 18 - 24 hours
- Min. application temperature: 5ºC
- Thinner: (5% when needed)
- Rate of use: ( theoretical) 170 gm / m2 / coat 125 µ

Chemical Resistance:

Sulphuric acid: 50% ex

Hydrochloric acid: 20% ex - 25% g

Phosphoric acid: 10% ex - 50% g

Nitric acid: 10% ex - 20% g

Acetic acid: 10% ex – 20% g

Sodium hydroxide: 50% ex

Potassium hydroxide: 50% ex

Ammonium nitrate: ex

ex: excellent ( no softening + no bubbles + no change in colour)

g: good ( no softening + no bubbles + slight change in colour and weight)

Directions for Use:

• The surface should be dry, clean and free of dust, oil and other impurities.

• After thoroughly mixing the 2 components, it can be applied by brush, rolling or spraying.

• Apply a primer coat of Val-Epoxy CT 110

• If Val-Epoxy CT 120 is processed in closed rooms, they should be sufficiently ventilated.

Safety Precautions:

• Application should be carried out in well ventilated place.

• Gloves, protective clothing and eye goggles should be worn during application.

• Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.

• If the material is splashed into the eyes, they should be immediately washed with water and then report to an eye specialist.

• Do not eat or smoke during application.