

## **EUXIT 80**

### **Tar-epoxy resin compound**

#### **Description**

A solvent free, thixotropic, two component preparation of liquid tar-epoxy resin with modified amine hardeners.

#### **Fields of application**

**EUXIT 80** is an anti-corrosion coating material for concrete, plaster, iron and steel, especially suitable for sewage works, e.g., for coating sewage pipes, sewage treatment plants, decomposition, etc. Further more also applicable as protective corrosion inhibitor coating material in hydraulic steel construction, such as inhibitor coating for sluices, harbor installations, steel sheet piling. Additionally in ship-building as underwater coating. **EUXIT 80** is an excellent cold insulation material in underground construction.

#### **Product characteristics**

**EUXIT 80** combines the high water-proofing of special tar with the outstanding thermal and chemical properties of epoxy resin. Both components give the hardened coating a high tasticity ductility hardness and abrasion resistance. **EUXIT 80** has an extremely low water absorption, and a good resistance to chemicals, is waterproof, waste and sea waterproof, and has resistance to diluted acids, alkalis and aliphatic hydrocarbons, such as petrol, oil and diesel fuel. It is not affected by constant temperatures or temperature changes between -30oC and + 80oC .

A wet film thickness of approx. 500 u can be made in one operation with **EUXIT 80** .

#### **Technical data**

<b>Viscosity in 8mm DIN Beaker at 20 oC (sec)</b>	50-80
<b>Specific gravity at 20 oC (g/cm<sup>3</sup>)</b>	1.48
<b>Mix ratio (by weight)</b>	3:1
<b>Mix ratio (by volume)</b>	2:1
<b>Pot life at 10 oC (hours)</b>	5
<b>Pot life at 20 oC (hours)</b>	2 ¼
<b>Pot life at 30 oC (hours)</b>	1 ¼
<b>Minimum hardening temperature oC</b>	8
<b>Bone dry at 20 oC (hours)</b>	8
<b>Thorough hardened at 20 oC (days)</b>	7
<b>Re-workable at 20 oC (hours)</b>	12-48
<b>Shore A hardness</b>	94

<b>Impact hardness konig (sec)</b>	30
<b>Pencil hardness</b>	H
<b>Adhesion to concrete after storage</b>	
<b>Temperature changes</b>	Concrete-fracture
<b>Shelf life</b>	Up to 1 year
<b>Water absorption after 21 days at 23 oC</b>	
<b>a)tet:50x50x1 mm (weight%)</b>	0.6
<b>b)DIN 53472 test:50x50x4 mm (weight %)</b>	0.15
<b>Weight loss after 28 days at 60 oC</b>	
<b>a)test thickness : 0.3 mm (weight %)</b>	5.8
<b>b)test thickness : 4 mm (weight %)</b>	0.6
<b>Abrasion DIN 52108 CM<sup>3</sup>/50CM<sup>2</sup>)</b>	4
<b>Complies with BS 5493 RF 3B</b>	

### Surface preparation

Cement bound surfaces should be dry, firm, smooth and free of dirt, dust and dirt particles, and additionally free from oil, grease and other impurities which can act against adhesion. If necessary, sand blast, flame scale or grind the top surface.

Iron and steel must be rust and scale free, and free from oil, dust, grease and other impurities.

### Application

Procedure for cement bound surfaces :

-Prime with **EUXIT 80** with approximately 20 % **EUXIT 501** universal thinner. Material consumption approx. 150-200 g/m<sup>2</sup>.

-If considered necessary, apply filler comprising of :

1 part (by volume) **EUXIT 80** .

1 part (by volume) quartz sand 0,2 - 0,7 mm .

0,5 part (by volume) thickening agent (Aerosil or Sylodex) material consumption approx. 600 g **EUXIT 80** /m<sup>2</sup> and mm filler thickness.

-Apply one or two coats of **EUXIT 80** material consumption approx. 300 g/m<sup>2</sup> per coating .interval between coating 12-48 hours.

-When a number of coatings are to be made, it is recommended that as form of control or as a precaution against faulty application, each coating applied should be of a different colour.

### Container sizes and Colour

**EUXIT 80** is supplied in containers of 1 kg, 10 kg.

Resin and hardener are supplied in correct mix ratios.

Black , Brown .