

## **EUXIT ZNP** **Anti-Corrosive Paint**

### **Description**

A solvent containing pigmented two component epoxy resin containing the anti-corrosive pigment zinc-dust.

### **Main purpose**

**EUXIT ZNP** is used as anti-corrosive paint for iron and steel.  
**EUXIT ZNP** serves as a primer for iron and steel if afterwards a thin synthetic resin coat is applied. In addition  
**EUXIT ZNP** can be used for concrete repair works, by protecting the exposed reinforcement from further corrosion.

### **Product characteristics**

After proper hardening **EUXIT ZNP** shows a high abrasion resistance and an excellent hardness.

**EUXIT ZNP** is resistant to fresh, sea- and waste water. In addition

**EUXIT ZNP** is also good resistant to diluted acids, Alkalis, mineral oils, salt solutions and aliphatic hydrocarbons.

**EUXIT ZNP** is stable to constant temperatures and temperature changes in the range of -30oC to + 90oC at dry conditions, at wet conditions>

**EUXIT ZNP** is resistant up to 40oC .

### **Technical data**

<b>Mix ratio (by weight)</b>	4:1
<b>Viscosity in 4mm DIN Beaker 23 oC</b>	65
<b>Viscosity (mPas)</b>	300
<b>Specific gravity at 23 oC (g/cm<sup>3</sup>)</b>	1.7
<b>Solid content (weight%)</b>	96
<b>Pot life at 10 oC (hours)</b>	4
<b>Pot life at 20 oC (hours)</b>	2
<b>Pot life at 30 oC (hours)</b>	1
<b>Minimum hardening temperature oC</b>	18
<b>Maximum rel.humidity till bone dry (%)</b>	90
<b>Bone dry at 23 oC (hours)</b>	2
<b>Time interval for second coat at 23 oC (hours)</b>	1
<b>Time to walk over at 23 oC (hours)</b>	1
<b>Thorough hardened at 23 oC (hours)</b>	7
<b>Complies with ASTM D-520 BS-4652</b>	

## Surface preparation

Iron and steel must be free of rust and scale free , and free of oil , dust , grease and other impurities .The best surface preparation is to sand blast iron and steel according to the standard rost 2.213 . The peak - to - valley high should be approx. 50 u .The surface should be according to DIN 55928 part4 .

## Application

It is important that the temperature of the surface is always higher than the minimum hardening temperature of **EUXIT ZNP** In addition the temperature must be 3°C higher than the dew-point in order to avoid any water condensation . The relative humidity should be below 85% .

After **EUXIT ZNP** is applied , it is necessary to protect the coat from humidity for a period of 5 hours .

In cases where **EUXIT ZNP** comes in contact with humidity , while the product is not hardened , a colour change (white) will occur on the surface .

The surface will not properly harden in opposite to the underground . if a second coat has to be applied , it is in such cases necessary to remove by sand blasting the unhardened paint

1-**EUXIT ZNP** used as primer :

-Surface preparation ( → surface preparation )

-Apply **EUXIT ZNP** ( sand - yellow ) by roller or brush material consumption approx. 250 gm / m<sup>2</sup>

-Apply on the following day a second coat with **EUXIT ZNP** ( red - brown ) by roller or brush material consumption approx. 250 gm / m<sup>2</sup>

-10 minutes later sprinkle fine - dried quartzsand (0.1-0.5 mm) over the second coat .

-Apply earliest on the following day final top coat

Note : if the final top coat is a solvent containing paint , do not sprinkle quartzsand over the second **EUXIT ZNP** application .

2- **EUXIT ZNP** for concrete repair work ( reinforcement ) :

-Surface preparation of the corrosive reinforcement ( → surface preparation )

-Apply immediately after the surface preparation is made , by brush or roller **EUXIT ZNP** material consumption approx. 300 gm / m<sup>2</sup>

-Apply 5 - 24 hours later a second coat of **EUXIT ZNP** material consumption approx. 300 gm / m<sup>2</sup>

-Sprinkle 10 minutes later fire - dried quartzsand ( 0.1 -0.5 mm ) over the **EUXIT ZNP** coat .

-Further repair work may be done earliest after 1 day .

Tools can be cleaned with **EUXIT 501**

## Remarks

- **EUXIT ZNP** is flammable .