

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

Mix ratio (by weight)	4:1
Viscosity in 4mm DIN Beaker 23 oC	65
Viscosity (mPas)	300
Specific gravity at 23 oC (g/cm³)	1.7
Solid content (weight%)	96
Pot life at 10 oC (hours)	4
Pot life at 20 oC (hours)	2
Pot life at 30 oC (hours)	1
Minimum hardening temperature oC	18
Maximum rel.humidity till bone dry (%)	90
Bone dry at 23 oC (hours)	2
Time interval for second coat at 23 oC (hours)	1
Time to walk over at 23 oC (hours)	1
Thorough hardened at 23 oC (hours)	7
Complies with ASTM D-520 BS-4652	

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 / m²

-Apply on the following day a second coat with **EUXIT ZNP** (red - brown) by roller or brush material consumption approx. 250 gm / m²

-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 / m²

-Apply 5 - 24 hours later a second coat of **EUXIT ZNP** material consumption approx. 300 gm / m²

-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 .