

## U30 - NEUCEROCK HS100 Epoxy Coating (High Solids)

**DESCRIPTION:** O NEUCEROCK HS 100 is an epoxy coating of two-components of high solid content. It presents excellent properties, such as a good hardness, good resistance to wear and high mechanical resistance. It resists to splashes and small spills of a wide range of chemical products. Enables applications of high thickness.

**FEATURES:**

- Good mechanical and chemical resistance.
- Good hardness and long lasting
- Good adhesion over steel and cement surfaces
- High anticorrosive protection.

**SPECIFICATIONS:**

- **Basic solution Density**..... 1.700 ± 0,10
- **Color**..... White and others
- **Solids in volume** ..... 74 ± 2%
- **Dry film thickness** ..... 100–175 µm /coat
- **Mixture Lifetime** ..... 1-2 hours
- **Waiting time between coats**..... Min. 15 hours  
Max.48 hours
- **Superficial drying**.....3 to 5 hours
- **Total drying** ..... 15 to 24 hours
- **Total Cure** .....7-8 days  
The drying period of time depends on the temperature, ventilation and thickness.
- **VOC (volatile organic compound)**....<sup>a)</sup> EU limit value set for this product cat. (A/j) 500 g/l (2010). This product contains a maximum of 300 g/l VOC

**RECOMMENDED USE:** NEUCEROCK HS100 has a wide field of application. It can be applied as a primer or as a finish in metallic structures where high anticorrosive performances are required. Its high solids content allows this product to be appropriated for coating of tanks, tubes and any element that remains buried. This epoxy coating can also be applied in very aggressive environments, such as maritime environment, oil platforms and pipelines, including in submerged parts in salt waters.

NEUCEROCK HS100 can also be applied over cement structures where high performances are required, namely in bridges or barrages.

As it is a product based on epoxy resins, it is natural that through a contact with ultraviolet radiation, this product might lose some gloss and turn yellow. However the product performance doesn't change.

**MIXTURE**

**PREPARATION:**

MIXTURE PROPORTION in volume (5:1):

Component A.....5 Parts

Component B.....1 Part

The two components have to be intensively mixed, respecting the indicated proportions, with the use of mechanical means of slow rotation speed (300-400rpm) during 3-5 minutes.

To keep in mind that the mixture lifetime can varies between 1 to 2 hours, according to the environment temperature.

**SURFACE**

**PREPARATION:**

Very often, the pellicular defects of the paints are the consequence of a deficient surface preparation.

Therefore before the application, to make sure that the surface is dry, clean, free of rust or dirt, and properly degreased.

Stripping by sandblasting by degree Sa 2 ½ is the ideal.

Important: to apply NEUCEROCK HS100 as fast as possible after the surface preparation to prevent any contamination. Do not leave the stripped steel without protection during night. In cases of contamination, to remove all the contaminants and to strip again the zones whenever necessary.

Over cementitious surfaces, to make sure that the concrete is totally cured and without any contamination.

**APPLICATION:**

The mixture is realized with an airless spray-gun (preferably) or conventional, but it can also be applied with a paint-brush or a roller in one or two coats, properly diluted.

**DILUTION:**

With “EPOXY DILUENT”, in the following approximated proportions:

Paint-brush, roller and airless spray-gun.....0 - 5%

Conventional Spray-gun .....5 - 10%

**CLEAN-UP:**

With “EPOXY DILUENT” or “CELLULOSE DILUENT”, right after the application.

**WARNING:**

In interior works, such as production halls and warehouses, measures concerning the environment ventilation have to be taken.

We advise to use work suits, protection gloves and glasses, the product may cause irritations on skin.

Keep out of reach out children.

For further information, please read our product **Safety Data Sheet**.

**STORAGE**

**AND**

**PACKAGING:**

Packages should be kept properly closed, in good environmental conditions of temperature and humidity, and spend the product on the chronological order of supply.

Use it, with preference, up to 1 year after its manufactured date, but it can also be used after this date, as long as a good homogenization of the product can be verified.

It is supplied in the following quantities:

	<b>6 Lt</b>	<b>24Lt</b>
NEUCEROCK HS100.....	5 Lt.....	20 Lt
NEUCEROCK HS100.....	1 Lt.....	4 Lt
HARDENER		

Note a) The value of the VOC previously mentioned concerns ready-to-use products, according to the technical specifications that we recommend. We do not take any responsibility for other mixtures made to the product. We draw special attention to all our agents for the responsibility that they take by not respecting what the Directive 2004/42/CE establishes.

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Edition n.º 6 2017-03-15

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