

#### DESCRIPTION:

A high-quality, solvent-free, two-component epoxy paint for lining tanks. It is specially designed for lining drinking water and food tanks. It is characterized by excellent rust resistance.

#### CHARACTERISTICS:

- Safe and suitable for drinking water and food tanks.
- Excellent water resistance.
- Excellent resistance to shock and rust.
- Soft, shiny and easy to clean.
- Long lasting protection.
- Solvent free.
- All of its ingredients are safe according to the US Food and Drug Administration (FDA) list.
- Self-based.

#### RECOMMENDED USE:

It is used as a coating for lining concrete, iron and galvanized steel tanks, and is suitable for application in water treatment plants and food factories.

#### PHYSICAL CONSTANTS:

- Appearance: shiny.
- Colour: light green.
- Steel size: 100% ASTM 2697D
- Viscosity: 103 Krebs units (for mixture) at  $\pm 30^{\circ}2$  C 562D ASTM
- Specific gravity: 1.212 (for mixture) ASTM 1475D
- Dry layer thickness: 300 microns.
- Theoretical diffusion rate: 3.33 mO/L at a dry layer thickness of 300 microns
- Value (volatile organic substances): 0 grams/liter.

#### DRYING TIME:

- Drought times depend directly on the air in the ocean, temperature, layer thickness and number of layers, and thus drought times will be directly affected.
- Temperature: 25°C / 77°F
- Ambient relative humidity: 50%
- Surface drying: three hours.
- Complete dryness: five and a half hours.
- Repainting period: minimum: 6 hours.
- Repainting period: maximum\*: --
- Dry period for filling the tank: 7 days

#### APPLICATION TOOLS:

- The temperature during application must be more than 5°C
- The surface temperature should be 3°C above the dew point
- Ambient relative humidity: maximum: %
- Mixing ratio: solidified base (by volume) 1.0: 2.47
- The shelf life of the mixture: 30 minutes at a temperature of 25 °C

- Induction time: none
- The foundation and hardener must be stirred using a mixing machine, and mixed in the correct proportion and well until the mixture becomes homogeneous.
- The mixture must be used within the specified expiration period

#### THINNER:

Ready to use.

- "Tap water" may be used if necessary depending on weather conditions during application.

#### THINNING RATIO:

- (10 - 15)% by volume, when using a spray gun in application
- It depends on the weather conditions and implementation conditions when used

#### APPLICATION GUIDE:

- Initial cleaning:
- All visible surface impurities such as grease, oils and dust must be removed using a suitable cleaner, and salts and other impurities must be removed using pure water at high pressure.
- If there are manufacturing defects, such as traces of welding, they are treated and then sanded, as well as sanding and smoothing the sharp corners before starting the sand or metal extrusion process.
- Concrete surfaces:
- The surface must be of high hardness and durability.
- All visible surface impurities such as grease, oils and dust must be removed using steam, cleaning agents or chemicals. Makes sandblasting cleaning according to NACE
- It removes brittle layers of concrete. This process opens holes and pores, giving more effectiveness in adhesion.
- Rough surface) NO.6 / SSPC-SP 13
- New steel surfaces:
- Refer to Preliminary Cleaning, the surface must be prepared according to Specification 10 SP-SSPC / 2No NACE-½ 2 Sa or Specification 6 SP-SSPC / 3 No NACE - 2 Sa.
- Maintenance:
- Refer to the initial cleaning. The damaged areas must be removed and the surface must be cleaned by mechanical methods according to the standard (3SP-SSPC) (or using sandblasting according to the standard (NACE).
- 10SP-SSPC.2/No ½ (which is better to use, and the 6SP-SSPC.3/No NACE specification can be adopted as an alternative specification, and water bombardment can be used according to the WJ-2 (NACE No. 5/SSPC-SP12) specification)
- Application method
- Anaerobic spraying
- Do not dilute
- Nozzle opening: 0.021-0.015 inches
- Pressure at nozzle: 15 MPa (2100 psi)
- Roller brush:
- Do not dilute

#### PACKING:

- Packing: Base: Hardener
- Gallon 3.46 litres: 1.4 litres

**SHELF LIFE:**

In sealed container: 12 months in dry, cool and well ventilated place.

**SAFETY PRECAUTIONS:**

Please read and follow the health and safety instructions on the packaging as well as the warning instructions in the MSDS for this product

- The product must be handled with caution before and during application
  - Contact of the paint with eyes and skin or inhalation of its spray and vapors must be avoided during application
  - It is recommended to use the product in well-ventilated places or use artificial ventilation
  - The product must be kept out of the reach of children
- Please hand over leftover paint and surplus containers to any approved local entity for the purpose of use or recycling for the sake of environmental safety.

Note: Waste and empty containers are disposed of in accordance with local regulations specified in the Pollution Control and Environmental Protection Laws.