

## 1. Product Description

**StenCoat® 2EP WT** is a two-component, epoxy-based protective paint for water tanks, safe for potable water applications. It can be used on concrete or metal surfaces. It forms a waterproof layer and protects the surfaces of storage tanks from corrosion and unwanted effects of continuous fluid contact.

It has high mechanical and chemical resistance. It is solvent-free, making it suitable for use in enclosed spaces. After curing, it is harmless to health and can be safely used in contact with food and drinking water. It is available in various colors.

## 2. Uses

**StenCoat® 2EP WT** can be used to protect all kinds of horizontal and vertical surfaces from water contact or to make them water-impermeable. Especially on facades and walls, it can be used as a chemical-resistant gas and vapor barrier. **StenCoat® 2EP WT** is used especially for protection of inner surfaces of drinking water tanks, liquid storage areas, swimming pools and areas where materials such as oil and fuel are stored.

The coating retains its elasticity, impact resistance and high mechanical properties for a long time. It is resistant to weak acids and bases, chlorine, salt water, oil and fuels.

## 3. Application

### 3.1. Surface Preparation

The surface must be clean. If grease, oil, old coatings or chemical contaminants are present, the surface must be cleaned by abrasive or chemical methods. Loose materials must be removed and parts in disrepair must be repaired.

Before applying **StenCoat® 2EP WT**, if there are areas on the concrete surface that need repair, they must be repaired with **StenCare® 2EP 311**. It must be ensured that the concrete floor is sound, and all holes and cracks must be filled. There must be no moisture or wetness on the surface.

It is strongly recommended to sandblast metal surfaces for cleaning purposes. If sandblasting cannot be done, the surface must be cleaned by an air gun, impact hammer, rotating wire brush and other available means. Dust adhering to the surface during sandblasting or brushing must be cleaned off before application. The application must be made before the metal surface becomes soiled or corrodes again.

### 3.2. Application

**StenCoat® 2EP WT** is ready for application when components A and B are mixed. The components are packaged so that one container of each yields the correct mixing ratio. In cases where a complete package will not be used, the package must be weighed and proportioned; the mix ratio stated on the package must be observed.

The material can be thinned with 5-10% of **StenSolver EP** if it will not be in contact with drinking water. In this case, add the thinner **StenSolver EP** to component A and mix it in before the two components are combined. First, mix Component A in its own container until homogeneous. Then component B is added into the container of component

**Epoxy-Based, Not Harmful to Health When Cured, Water-Impermeable Protective Paint**

### Highlights

- Epoxy-based
- Solvent-free, can be used easily in enclosed spaces
- Harmless to human health after cure
- Can be used to protect concrete and steel surfaces and all storage areas
- Prevents corrosion and protects surfaces continuously exposed to water
- Can be used in horizontal, vertical and overhead applications
- Has high mechanical and chemical resistance
- Long-lasting, retains its mechanical properties, flexibility and impact resistance for a long time



A and they are mixed for 3-4 minutes at 300-500 rpm. Avoid entraining air into the mixture. Mixed material must be used within the pot life, and thickened material must not be thinned and reused.

**StenCoat® 2EP WT** is applied by spraying or by roller. It must be applied at 250-400 g/m<sup>2</sup> per coat. Two- or three-coat application is recommended depending on the desired coating thickness. In two- or multi-coat applications, each coat must be applied before the previous coat has fully cured.

### 3.3. Cleaning

Equipment used can be cleaned with **StenSolver EP** at the end of the job.

### 4. Safety

Applicators and supervisors must read the Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be disposed of in compliance with relevant regulations and laws. The application must be carried out by skilled workers under the supervision of experts and the applicators must use all personal protective equipment required for the worksite and the task such as goggles, mask and gloves.

### 5. Storage

Storage temperature must be between 5 and 30 °C. Packages must not be exposed to direct sunlight. Under these conditions, the material will retain its properties in unopened containers for 12 months from the production date.

Low temperatures may cause crystallization of the product; in this case, the product can be used after being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

### 6. Disclaimer

This document is provided for general information and is based on **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information without prior notice.

**Stenkim®** warrants that its products conform to the stated specifications on delivery. The buyer is responsible for determining the product's suitability for the intended purpose and for all conditions of transport, storage, application, and use. **Stenkim®** accepts no liability for results obtained under conditions outside its control. **Stenkim®**'s liability under this warranty is limited to replacement of non-conforming product and excludes any consequential or indirect damages.



## 7. Technical Data

| Property                                            | Method        | Result                      |
|-----------------------------------------------------|---------------|-----------------------------|
| Base Polymer                                        |               | Epoxy                       |
| Solids Content (by weight)                          | EN ISO 3251   | 100%                        |
| Density                                             | EN ISO 2811-2 | 1.3 ± 0.1 g/cm <sup>3</sup> |
| Viscosity                                           |               | 23.2 Pa·s                   |
| Color                                               |               | Catalog                     |
| Application Thickness (per coat)                    |               | 200-300 µm                  |
| Impact Resistance                                   |               | 25 cm·kg                    |
| Abrasion Resistance (CS17, 1000 cycles, 1 kg)       |               | 140 mg                      |
| Adhesion Strength                                   | ASTM D4541    | > 3200 psi                  |
| Chemical Resistance (1% Sulfuric Acid - 90 days)    |               | No Damage                   |
| Chemical Resistance (1% NaCl - 90 days)             |               | No Damage                   |
| Chemical Resistance (1% Sodium Hydroxide - 90 days) |               | No Damage                   |
| Chemical Resistance (Jet Fuel - 90 days)            |               | No Damage                   |
| Tack-free Time (23 °C / 60 °C)                      |               | 180 minutes / 10 minutes    |
| Cure Time for Water Resistance @23 °C               |               | 48 hours                    |
| Overcoat Time @23 °C                                |               | 2 hours                     |
| Maximum Overcoat Time @23 °C                        |               | 24 hours                    |
| Cure Time for Chemical Resistance                   |               | 7 days                      |
| Shelf Life                                          |               | 1 year                      |
| Packaging                                           |               | 20 kg sets                  |

**Stenkim®** reserves the right to make changes to the values in this table at any time.

