

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.

StenCoat® 2EP WT 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 waterproof. Especially on facades and walls, it can be used as a barrier to prevent gas and vapor permeability and is resistant to various chemicals. **StenCoat® 2EP WT** is used for protection of inner surfaces of drinking water tanks, water tanks, liquid storage tanks, swimming pools, oil and fuel tanks.

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. Surface Preparation

The surface must be clean. If grease, oil, old coatings or chemical contaminants are present, the surface must be cleaned by chemical or mechanical 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 should be repaired with **StenCare® 2EP 311**. It must be ensured that the concrete floor is sound and free of defects; all holes and cracks should be repaired. Moisture and wetness on the surface should be avoided.

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

The application should be made before the metal surface becomes soiled or corrodes again.

4. Application

StenCoat® 2EP WT is prepared for the application by mixing two components. The components are packaged so that one container of each yields the correct mixing ratio. In cases where one complete package cannot be used, the package must be weighed and proportioned; the mix ratio stated on the package must be observed.

Epoxy-Based Harmless Water Impermeable Protective Paint

Highlights

- Epoxy-based
- Solvent-free, can be used safely in enclosed spaces
- Harmless to human health after cure
- Can be used to protect concrete and steel surfaces and all storage areas
- Prevents corrosion on surfaces continuously exposed to water, protects the surface
- 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



The material can be thinned with 5-10% of **StenSolver EP** if it will not be in contact with drinking water. In this case, the thinner **StenSolver EP** should be added to component A before the two components are mixed together. Component A is first homogenized by mixing in its own container.

Then component B is added into the container of component 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. The application rate is 250-400 g of material per square meter per coat. Double or triple coat application is recommended depending on the desired coating thickness.

For multilayer applications, each layer should be applied before the subcoat is totally cured.

5. Cleaning

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

6. Safety

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

7. 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 heating and homogenizing at +20 °C. The product must be stirred thoroughly before use after prolonged storage.

8. Disclaimer

This document is provided for general information and reflects **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information at any time without 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 application and for all conditions of transport, storage, handling, 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.



9. Technical Data

Property	Method	Result
Base Polymer		Epoxy
Solid Content	EN ISO 3251	100
Density	EN ISO 2811-2	1.3 ± 0.1 g/cm ³
Consistency		23.2 Pa·s
Color		Catalog
Application Thickness (per coat)		200-300 µm
Impact Resistance		25 cm·kg
Abrasion Resistance (CS 17, 1 kg, 1000 cycles)		140 mg
Adhesion Strength	EN 1542	>3200 psi
Chemical Resistance (1% Sulphuric 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.

