

1. Product Profile

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

StenCoat® 2EP WT has very high mechanical and chemical resistance.

StenCoat® 2EP WT is available in 20 kg sets.

2. Uses

StenCoat® 2EP WT can be used in all kinds of horizontal and vertical surfaces to isolate the tank and to protect the underlayer from the effects of stored liquids. It can be used as an impervious coating that is resistant to chemical vapours and gases.

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

Concrete Surfaces

Application surface must be clean. If grease, oil, old coatings and any kind of chemical waste are existent, they must be cleaned of by chemical or mechanical methods. Loose materials must be removed and parts in disrepair must be repaired with StenCare® products. It must be ensured that the surface is free of defects; all holes and cracks should be repaired. Moisture and wetness on the surface should be avoided.

Metal Surfaces

It is recommended to sand blast the surface for cleaning purposes before application. If sand blasting can't be done the surface should be cleaned by a rotating brush, power hammer and other available means. Dust due to sand blasting or brushing must be cleaned off. If grease, oil, old coatings and any kind of chemical waste are existent, they must be cleaned of by chemical or mechanical methods. The application should be made before the metal surface become dirty or corrode.

Epoxy Based Harmless Water Impermeable Protective Paint

Highlights

- Can be used at water tanks
- Solvent-free
- Harmless to human health after cure
- Can be used safely at closed areas
- Water and vapor impermeable
- Has high mechanical and chemical resistance
- Long lasting protective coating

4. Application

StenCoat® 2EP WT is readied for the application by mixing two components. The components are packaged such that one container from each are mixed for correct mix ratio. In cases where one complete set cannot be used, the contents must be weighed and proportioned, and 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.

First A component is mixed, then Component B is added into the container of component A and they are mixed for 3-4 minutes at 300-500 rpm. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

StenCoat® 2EP WT is applied by spraying or manually by brush and roller. The application can be double or triple coat, 250 – 400 g of material used per each square meter per coat.

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

5. Cleaning

Equipment used can be cleaned at the end of the job with [StenSolver EP](#).

6. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein.

Emptied packages must be handled in compliance with relevant regulations and laws.

7. Storage

The material must be kept in dry indoor storage. Recommended storage temperature is 10-30°C. Stored

in these conditions, the shelf life of unopened containers are 12 months. Packages to be used must be kept at 20-30°C for a couple of days before the application.

8. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by [Stenkim®](#) and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All [Stenkim®](#) products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by [Stenkim®](#).

[Stenkim®](#) reserves the right to update all information contained in this document without notice.

9. Technical Data

Properties	Results
Colour	Catalogue
Base Polymer	Epoxy
Solids Content Weight %	100
Application Thickness, at each layer	200-300 microns
Density (A+B)	1.34±0.1 g/cm ³
Impact Resistance	25 cm.kg
Abrasion Resistance (CS 17, 1000rpm)	140 mg
Adhesion	>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 (%1 Jet Fuel – 90 days)	No damage
Viscosity	23.2 Pa.s
Tack Free Time (23 0C / 60 0C)	180 min. / 10 min.
Cure Time for Water Resistance (23 0C)	48 hours
Minimum Curing Time for Top Coat (23 0C)	2 hours
Maximum Curing Time for Top Coat (23 0C)	24 hours

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