

1. Product Description

StenCoat® 2PTM 212 is a coal-tar-modified, polyurethane-based, two-component, solvent-free, elastic waterproofing membrane. It is the most economical and long-lasting solution for a seamless and waterproof coating on non-traffic bearing surfaces or between deck layers. It is highly elastic and has crack-bridging ability.

Therefore, it is resistant to cracks and movements that may occur on the substrate over time. It is resistant to salty water and chemically contaminated water; it does not get hydrolyzed and it does not peel from the surface. It does not allow microbiological formations on the surface it coats.

It prevents root penetration in applications such as garden terraces. It is used as a protective coating and waterproofing membrane for protecting interior and exterior surfaces in municipal infrastructures, wastewater and sewer systems; water works, dams and wastewater treatment facilities; highway culverts and water canals; and all kinds of underground canals, foundations and similar constructions, including foundation and retaining wall wrapping. **StenCoat® 2PTM 212** complies with the ASTM C 836 waterproofing membrane standard.

It is not suitable for contact with drinking water.

2. Uses

StenCoat® 2PTM 212 is used in places such as terraces and roof areas, foundation and retaining walls, municipal infrastructures, industrial facilities, water works, dams, wastewater treatment facilities, motorway culverts and water canals, and in below-grade foundation waterproofing of all kinds of construction. It protects the surface against root penetration and can be used safely at flower beds and roof top gardens.

Since it contains coal tar, it must not be used indoors or in direct contact with drinking or service water.

3. Surface Preparation

Application surfaces must be clean and dry. Loose materials must be removed and parts in disrepair must be repaired. Concrete surfaces that are moist, damp, or at risk of wetting must be primed with **StenAst® S**.

Cracks 1 mm or wider in the substrate must first be filled with the material; surface application must be carried out after the filling process. When applying over existing waterproofing coatings, the type of the existing coating is of great importance. For the right primer and application methods, refer to **Stenkim®**.

4. Application

It is recommended to condition the materials at 20-30 °C for one day before application. During the application, surface and ambient temperature must be at least 4 °C above the dew point and must not drop below this limit for 4 hours following the application. **StenCoat® 2PTM 212** is prepared for the application by mixing two components.

First, component A is homogenized in its container for 1-2 minutes at 200-500 rpm. Component B is poured into the container of component A and they are mixed for 2-3 minutes more. Avoid entraining air into the mixture.

Polyurethane-Based Coal-Tar Modified Self-Leveling Liquid Waterproofing Membrane

Highlights

- Coal-tar modified polyurethane-based
- Solvent-free
- Seamless, waterproof
- Thanks to its high elasticity, it has crack-bridging ability
- Has high chemical resistance; does not undergo hydrolysis and does not separate from the surface
- Prevents microbiological formations
- Easy to apply, seamless, and does not require a torch
- Highly economical, with savings on application labor and a long service life



Mixed material must be used within the pot life. Material that has begun to thicken must not be diluted for reuse. **StenCoat® 2PTM 212** can be reinforced with fiberglass mat or polyester felt.

This type of application is recommended on damaged surfaces, unsettled substrates, wall-floor intersections, and at details such as pipe penetrations, drains, and around fixtures. In such applications, complete saturation of the mat or felt with the material is very important. Chemically incompatible or water-retaining reinforcement materials may damage the membranes.

Stenkim® offers free consultancy and analysis services for selection of the correct reinforcement materials and approval of the material to be used. **StenCoat® 2PTM 212** is applied by airless spray, brush or roller. Faster curing and thicker single coat application is possible in applications with two-component airless type application equipment.

With this type of equipment, it is not required to mix two components beforehand. Application can be carried out in two or more coats. Application thickness has no effect on the curing of the material.

When calculating the material consumption, the absorbency of the mat or felt reinforcement must be taken into account.

5. Cleaning

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

6. Safety

Since it contains coal tar, it must not be used indoors or in direct contact with drinking or service water. 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. This product is not offered for sale in EU and EFTA countries.

7. Storage

Packages must not be exposed to direct sunlight. It must be stored away from open flame and sources of ignition. Storage temperature must be between 5 and 30 °C.

Under these conditions, the material will retain its properties in unopened containers for 12 months from the production date. The material is flammable. 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		Two-Component Polyurethane
Solid Content		100
Application Thickness (per coat)		600-1000 µm
Color		Black
Density		1.53 ± 0.05 g/cm ³
Hardness	EN ISO 48-4	A20-25
Elongation at Break	ASTM D 412 Die B	550%
Impact Resistance	ASTM D 2794, 1 meter, 2 kg	> 200 kg·cm (No Damage)
Peel Strength	ASTM C 794, 7 days in water	230 N/m
Low Temperature Crack Bridging	EN 1062-7	Pass
Flexibility After Thermal Aging	ASTM C 1522	Pass
Tensile Modulus (100% Elongation)	ASTM D 412	0.61 MPa
Pot Life @20 °C		90 minutes
Tack-free Time @20 °C		4 hours
Ready for Light Foot Traffic @20 °C		24 hours
Cure Time for Chemical Resistance @20 °C		4 days
Hydrolysis Resistance (14 days, 85 °C)		Pass
Shelf Life		1 year
Packaging		12.5 kg packages

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

