

1. Product Description

StenCoat® 2PTM 212 is a coal-tar-modified, polyurethane-based, two-component, solvent-free, elastic waterproofing membrane. It is used for floor waterproofing. 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 salt water and chemically contaminated water; it does not undergo hydrolysis and it does not peel from the surface.

It does not allow microbiological growth on the surface it covers. It prevents root penetration in applications such as garden terraces. It is used as a protective coating and waterproofing membrane in municipal infrastructure; on the interior and exterior surfaces of wastewater and sewer systems; in water structures, dams and wastewater treatment facilities; in highway culverts and water canals; in all kinds of underground canals, foundations and similar structures; and in foundation and structural-wall tanking.

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 locations such as terraces and under-roof areas, foundations and structural walls, municipal infrastructure, industrial facilities, waterworks, dams, wastewater treatment facilities, highway culverts, and water channels, as well as for below-grade foundation waterproofing in all types of construction. It protects the surface against root penetration and can be used safely in flower beds and rooftop gardens. Horizontal application can be carried out on concrete, asphalt, steel or wooden surfaces. Since it contains coal tar, it must not be used indoors or in direct contact with drinking or service water.

3. Application

3.1. 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 an existing waterproofing material, what that existing material is matters a great deal. For the right primer and application methods, contact **Stenkim®**.

3.2. 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 ready for application when components A and B are mixed.

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

Highlights

- Solvent-free
- Seamless, waterproof
- Self-leveling; provides a seamless coating on horizontal surfaces
- Bridges cracks thanks to its high elasticity
- Has high chemical resistance; does not undergo hydrolysis and does not separate from the surface
- Prevents microbial growth
- Easy to apply, seamless, and does not require a torch
- Saves application labor and offers an economic advantage through long service life



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

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 particularly recommended on damaged surfaces, on substrates that have not yet settled, at wall-to-floor junctions, and at details such as pipe penetrations and drains. In such applications, complete saturation of the mat or felt with the material is very important. Reinforcement materials that are chemically incompatible or have water on their surface 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. Two-component airless-type equipment enables faster curing and thicker single-coat application. With this type of equipment, there is no need to mix the 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 must be taken into account.

3.3. Cleaning

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

4. 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 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. This product is not offered for sale in EU and EFTA countries.

5. Storage

Packages must not be exposed to direct sunlight. It must be stored away from open flames and ignition sources. 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 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		Two-Component Polyurethane
Solids Content (by weight)		100%
Application Thickness (per coat)		600-1000 µm
Color		Black
Density		1.53 ± 0.05 g/cm ³
Hardness	EN ISO 868	A20-25
Elongation at Break	ASTM D 412 Die B	550%
Impact Resistance	EN ISO 6272-1	≥ 20 Nm (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.

