

1. Product Description

StenCoat® 2PUM 210 is a two-component, solvent-free, polyurethane-based, highly elastic, easy to apply, decorative waterproofing and protective coating. It is used for floor waterproofing. It is applied as a liquid and forms an elastic, breathable, waterproof coating.

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. Its mechanical properties do not change due to outdoor conditions.

StenCoat® 2PUM 210 complies with the ASTM C 836 waterproofing membrane standard.

2. Uses

StenCoat® 2PUM 210 is used in places such as terraces and roof areas, foundations and retaining walls, municipal infrastructures, industrial facilities, motorway culverts and tunnels. Horizontal application can be carried out on concrete, asphalt, steel or wooden surfaces.

3. Surface Preparation

Application surfaces must be clean and dry. Loose materials must be removed and parts in disrepair must be repaired. The surfaces must be primed with **StenAst® 2EP**.

Concrete surfaces that are wet, humid, or at risk of wetting should be primed with **StenAst® S**. Cracks in the floor of 1 mm and wider must first be repaired with epoxy-based products; surface application must be carried out after the repair 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 6 hours following the application. **StenCoat® 2PUM 210** 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.

Mixed material must be used within the pot life. Material that has begun to thicken must not be diluted for reuse. **StenCoat® 2PUM 210** 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

Polyurethane-Based Self-Leveling Liquid Waterproofing Membrane

Highlights

- Elastomeric
- Seamless; provides long-lasting waterproofing
- 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
- Easy to apply, seamless, and does not require a torch
- Solvent-free
- Highly economical, with savings on application labor and a long service life
- Catalog colors are available



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. When calculating the material consumption, the absorbency of the mat or felt reinforcement must be taken into account. **StenCoat® 2PUM 210** 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.

5. Cleaning

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

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

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		Catalog
Density		1.49 ± 0.05 g/cm ³
Hardness	EN ISO 48-4	A15-25
Elongation at Break	ASTM D 412 Die B	450%
Impact Resistance	ASTM D 2794, 1 meter, 2 kg	> 200 kg·cm (No Damage)
Peel Strength	ASTM C 794, 7 days in water	700 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	0.56 MPa
Pot Life @20 °C		30 minutes
Tack-free Time @20 °C		6 hours
Ready for Light Foot Traffic @20 °C		24 hours
Cure Time for Chemical Resistance @20 °C		4 days
Shelf Life		1 year
Packaging		23 kg packages

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

