

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 locations such as terraces and under-roof areas, foundations and structural walls, municipal infrastructure, industrial facilities, highway culverts, and tunnels. Horizontal application can be carried out on concrete, asphalt, steel or wooden surfaces.

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. The application surfaces must be primed with **StenAst® 2EP**.

Concrete surfaces that are moist, damp, or at risk of wetting must 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 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 6 hours following the application. **StenCoat® 2PUM 210** is ready for application when components A and B are mixed.

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® 2PUM 210 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.

Polyurethane-Based Self-Leveling Liquid Waterproofing Membrane

Highlights

- Elastomeric
- Seamless; provides long-lasting waterproofing
- Bridges cracks thanks to its high elasticity
- 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
- Saves application labor and offers an economic advantage through long service life
- Available in catalog colors



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 must be taken into account. **StenCoat® 2PUM 210** 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.

3.3. Cleaning

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

4. Safety

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.

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		Catalog
Density		1.49 ± 0.05 g/cm ³
Hardness	EN ISO 868	A15-25
Elongation at Break	ASTM D 412 Die B	450%
Impact Resistance	EN ISO 6272-1	≥ 20 Nm (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.

