

1. Product Profile

StenCoat® 2PTM 213 is a two component, coal-tar modified polyurethane based, solvent free, elastic liquid waterproofing membrane. It is suitable for non-traffic bearing surfaces or under protective layers. It forms a durable, seamless and water impermeable coating. It is a very elastic membrane with perfect crack bridging ability. It can tolerate minor building movements and newly formed cracks. It is resistant to salty and chemically contaminated water; it does not get hydrolyzed nor get peeled from the surface. It does not allow microbiological contamination and vegetation; it protects the surface from root penetration.

StenCoat® 2PTM 213 complies with water waterproofing membranes with separate wearing course standard ASTM C 836. It is not suitable to contact with drinking water.

StenCoat® 2PTM 213 is available in 12.5 kg sets.

2. Uses

StenCoat® 2PTM 213 is used in vertical applications at places such as terraces and garrets, foundation and partition walls, municipal infrastructures, industrial facilities, water works, dams, sewer systems, waste water processing facilities, outdoors surfaces at clean water facilities, motorway culverts and water canals, pipelines and in underground foundation isolation of all kinds of construction. It protects the surface against root penetration and can be used safely at flower beds and roof top gardens.

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. First 1 mm or wider cracks must be filled with the material; surface application must be carried out after the filling process.

On old isolation coatings the existing coating is very important in determining the application process. For the right primer and application methods please refer to Stenkim®.

Polyurethane Based Coal-Tar Modified Thixotropic Liquid Waterproofing Membrane

Highlights

- Two-component
- Solvent-free
- Seamless, water impermeable
- Highly elastic and has crack bridging ability
- Prevents microbiological formations
- Easy to apply

4. Application

It is helpful to keep the materials at 20-30°C for one day before the application date. During the application, surface and ambient temperature must be above the dew point and must not drop below it for 4 hours following the application.

StenCoat® 2PTM 213 is prepared for the application by mixing two components. First, component A is homogenized in its container for 1-2 minutes at 200-500 rev/min speed. Component B is poured into the container of component A and they are mixed for 2-3 minutes more without letting air to the mixture. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

StenCoat® 2PTM 213 can be reinforced by using glass or polyester sheets. Such applications are especially recommended on uneven or newly installed concrete surfaces, wall-floor intersections and at dissimilar surface meeting places such as pipe passing, around fixtures etc. It is important to completely saturate the sheet with the membrane material in such applications. Chemically incompatible and water retentive sheet materials may damage the membranes. Stenkim® offers free consultancy and analysis service for selection of the correct sheet materials. When consumption rate of the material calculated, absorbance of the sheets must be accounted for.

StenCoat® 2PTM 213 is applied by means of airless spray or manually by brush or roller. Faster curing and thicker single coat applications are 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 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

Storage temperature must be between 5°C and 30°C. The packages must not be exposed to direct sunlight. Stored unopened in these conditions, the shelf life is 12 months. It is inflammable. It must be stored away from open fire and sources of ignition.

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

Property	Method	Result
Base Polymer		Two component polyurethane
Solids content %		100
Application thickness per layer		600 - 2500 microns
Color		Black
Density		1.45±0.01 g/cm ³
Hardness	ASTM D 2240	A30±5
Ultimate elongation	ASTM D 412 Die B	%550
Impact resistance	ASTM D 2794, 1 meter, 2 kg	>200 kg.cm (No damage)
Abrasion Resistance	ASTM C 794, 7 days water	Pass (230 N/m)
Crack bridging ability	ASTM C 1305	Pass
Extensibility after Heat Aging	ASTM C 1522	Pass
Modulus of Elasticity (100% Elongation)	ASTM D 2370	0.61 MPa
Hydrolysis Resistance (14 days, 85°C)		Pass
Tack-Free time @20°C		60 hours
Cure Time for Light Trafficability @20°C		24 hours
Cure Time for Heavy Trafficability @20°C		3 days
Cure Time for Chemical Resistance @20°C		4 days

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