

1. Product Profile

StenCoat® 2PUM 211 is a two component, polyurethane based, solvent free, highly elastic, decorative, liquid applied waterproofing membrane. It is used at terrace, roof and wall isolations. It is a liquid material which forms a breathing, seamless, elastic and water impermeable membrane. It is a very elastic membrane with perfect crack bridging ability. It can tolerate minor building movements and newly formed cracks.

It is mechanically resistant to outside conditions. StenCoat® 2PUM 211 complies with waterproofing membranes with separate wearing course standard ASTM C 836. Catalog colors are available

StenCoat® 2PUM 211 is available in 23 kg sets.

2. Uses

StenCoat® 2PUM 211 is used in vertical applications at places such as terraces, balconies and garrets, foundation and partition walls, municipal infrastructures, industrial facilities, motorway culverts and tunnels. It is suitable to be applied at horizontal and vertical, concrete, asphalt, metal and 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. 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®.

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 6 hours following the application.

StenCoat® 2PUM 211 is prepared for the application by mixing two components. First, component A is homogenized in its container for 1-2 minutes at

Polyurethane Based Thixotropic Liquid Waterproofing Membrane

Highlights

- Solvent-free
- Forms a seamless, breathing, water impermeable membrane
- Highly elastic and has crack bridging ability
- Easy to apply
- Catalog colors are available
- Life-long protection

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® 2PUM 211 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® 2PUM 211 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 PU](#).

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 | | Color catalogue |
| Density | | 1.54±0.01 g/cm ³ |
| Hardness | ASTM D 2240 | A20±5 |
| Ultimate elongation | ASTM D 412 Die B | %450 |
| Impact resistance | ASTM D 2794, 1 meter, 2 kg | >200 kg.cm (No damage) |
| Abrasion Resistance | ASTM C 794, 7 days water | Pass (700 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 | 0.56 MPa |
| Pot life of the Mixture @20°C | | 30 minutes |
| Tack-Free time @20°C | | 60 hours |
| Cure Time for Light Trafficability @20°C | | 24 hours |
| Cure Time for Chemical Resistance @20°C | | 4 days |

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