

1. Product Description

StenCoat® 2PUV 401 is a polyurethane-based, two-component, semi-gloss, transparent, decorative varnish. **StenCoat® 2PUV 401** is UV resistant and will not lose its flexibility or color. **StenCoat® 2PUV 401** prevents the surface from wetting and provides waterproofing.

It increases the resistance against sun rays and oxidation and prevents abrasion. By absorbing ultraviolet rays, it protects surfaces susceptible to UV radiation, such as epoxy and polyurethane floor coatings, and significantly retards color change.

2. Uses

StenCoat® 2PUV 401 can be used to waterproof every horizontal or vertical surface. It is used on facades, terraces, balconies and wet rooms. Surfaces coated with **StenCoat® 2PUV 401** are easy to clean, dry quickly, and do not generate dust.

The coating retains its flexibility and abrasion resistance for a long time. It covers the cracks, defects and connection points of the floor, providing it with a smooth top layer. It provides waterproofing and prevents water damage by covering the joints, edge joints and cracks without spoiling the appearance of the surfaces such as wood, tiles, granite, marble, natural stone.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not exceed 40 °C. Since the material can flow through large cracks, cracks wider than 1 mm should be repaired.

Surfaces should be primed with **StenAst® S** or another suitable primer.

4. Application

It is recommended to condition the materials at 20-30 °C for one day before application. During application, surface and air temperature must be at least 10 °C and the temperature must not drop below 10 °C for 24 hours following the application. **StenCoat® 2PUV 401** is prepared for the application by mixing two components.

The components are packaged so that one container of each yields the correct mixing ratio. In cases where one complete package cannot be used, the package must be weighed and proportioned; the mix ratio stated on the package must be observed. Component B is poured into the container containing component A and the two components are mixed for 3-4 minutes at 300-500 rpm until they become homogeneous.

Because the product is transparent, observe the mixing time closely to ensure the components are mixed homogeneously. Mixed material must be used within the pot life. Material that has begun to thicken must not be diluted for reuse.

StenCoat® 2PUV 401 is applied by spraying or by brush and roller. The application is carried out in one or two coats, with 75-150 g per m² per coat.

Two-Component, Water-Based, Polyurethane-Based, Transparent, UV Protective Semi-Gloss Varnish

Highlights

- Two-component, polyurethane-based
- Fully resistant to outdoor conditions
- Resistant to UV radiation
- Protects the applied surface from UV radiation
- Protects the applied surface against water, rain and sunlight; prevents abrasion
- Covers cracks, defects and connection points, providing a smooth surface
- Protects the surfaces such as wood, tiles, granite, marble, natural stone without spoiling the appearance
- Ideal for facades, terraces, balconies and wet rooms
- Easy to clean
- Long-lasting, does not lose flexibility, does not change color



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

Storage temperature must be between 5 and 30 °C. Packages must not be exposed to direct sunlight. Under these conditions, the material will retain its properties in unopened containers for 12 months from the production date.

The product is flammable and combustible. Keep away from open flames and ignition sources. Protect the product from freezing.

Frozen material cannot be reused.

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		43% $\pm$ 2
Color		Semi-Gloss Transparent
Density		1.04 $\pm$ 0.05 g/cm ³
Consumption (per coat)		75-150 g/m ²
Impact Resistance	ASTM D 2794, 2 kg, 100 cm	No Damage
UV Resistance	24 hours, Xenon Arc	Suitable
Pot Life @20 °C	EN ISO 9514	50 minutes
Tack-free Time @20 °C		20 minutes
Full Cure Time		3 days
Shelf Life		1 year
Packaging		15 kg sets

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

