

1. Product Description

StenCoat® DURPLUS is a polyurethane-based, two-component, heavy-duty, colored waterproofing membrane. **StenCoat® DURPLUS** protects the surface it is coated on from all external environment effects. It is resistant to UV radiation.

2. Uses

StenCoat® DURPLUS can be used to make all types of horizontal and slightly sloped surfaces waterproof. It is used for pavements, terraces, multi-storey car parks, open car parks and similar areas. Surfaces coated with **StenCoat® DURPLUS** are not affected by water, 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.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not exceed 40 °C. Since the material can flow through wide cracks, cracks wider than 0.5 mm must be repaired.

The surfaces must be primed with **StenAst® 2EP** 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® DURPLUS** 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. First, component A is homogenized in its container for 1-2 minutes.

Component B is added into the container of component A and they are mixed for 2-3 minutes at 300-500 rpm. 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® DURPLUS** is applied by spraying or by brush and roller. The application is carried out in a single coat with 250-700 g of material used per square meter.

Sunlight does not alter the mechanical properties of the material but may cause discoloration over time. To prevent that, it is recommended to apply **StenCoat® 2PUV 401**, 402 or 403 12-24 hours later as the top coat.

5. Cleaning

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

Polyurethane-Based Heavy-Duty Waterproofing Membrane

Highlights

- Two-component, polyurethane-based
- Forms a heavy-duty, waterproof layer
- Colored
- Protects the surface coated from all external factors
- Covers cracks, defects and connection points, providing a smooth surface
- Easy to clean
- Resistant to UV radiation
- Preserves its elasticity and abrasion resistance for many years
- Can be applied by spraying or manually with brush and roller



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 6 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		min. 0.5 mm
Color		Catalog
Density		1.31 ± 0.03 g/cm ³
Hardness (Shore)	EN ISO 48-4	D55-60
Tensile Strength	ASTM D 412 Die B	15 N/mm ²
Tear Strength	ASTM D 624 Die C	53 N/mm
Elongation at Break	ASTM D 412 Die B	120%
Abrasion Resistance	ASTM D 4060 CS10/100 rev/1 kg	14 mg
Impact Resistance	1 meter, 2 kg	> 200 kg·cm (No Damage)
Pot Life @20 °C		45 minutes
Tack-free Time @20 °C		3 hours
Ready for Light Foot Traffic @20 °C		12-16 hours
Time to open to heavy traffic @20 °C		2 days
Shelf Life		6 months
Packaging		20 kg packages

Stenkim® reserves the right to make changes to the values in this table at any time. *CE: CE marked in accordance with EN 1504-2 (DoP STN-PRC-SCDURPLUS-0002).*

