

1. Product Profile

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

StenCoat® DURPLUS is available in 20 kg packages.

2. Uses

StenCoat® DURPLUS can be used to make all types of horizontal and slightly sloped surfaces water impermeable. It is especially used for pavements, terraces, multi store parking lots, open parking lots and similar areas. Surfaces coated with StenCoat® DURPLUS are not affected from water, are easily cleaned, easily dried and does not dust. Coating preserves its elasticity and abrasion resistance for a long time. It covers the cracks, defects and joints of the floor and provides a smooth top coat.

3. Surface Preparation

Application surfaces must be clean and dry. Surface temperature must not be over 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

Keeping the materials at 20 – 30 °C for one day before the application date facilitates the application. During the application, surface and ambient temperature must be above 10 °C and must not drop below it for 24 hours following the application.

StenCoat® DURPLUS is prepared for the application by mixing two components. The components are packaged as they will mix at right proportions when one container from each is mixed. In cases where one complete package cannot be used, the package must be weighed and proportioned, and the mix ratio stated on the package must be observed. Component A is homogenized by mixing 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. Mixed material must be used within the pot life and thickened materials must not be thinned and used.

Polyurethane Based Heavy-Duty Waterproofing Membrane

Highlights

- Two-component
- Forms a heavy duty, water-resistant coat
- Colored
- Protects the surface coated from all external factors
- Easy to clean
- Resistant to UV radiation
- Preserves its elasticity and abrasion resistance for a long time
- Sprayable

StenCoat® DURPLUS is applied by spraying or manually by brush and roller. The application is carried out in a single coat with 250-700 g of material used per each square meter. Sunlight does not alter the mechanical properties of the material but may cause discoloration by time. In order to prevent that, it is recommended to apply StenCoat® Anti UV 12-24 hours later as the top coat.

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 6 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
Solid content %		100
Application thickness		Min 0.5 mm
Color		Color catalogue
Density		1.25±0.01 g/cm ³
Durometer Hardness	ASTM D 2240	A80±5
Tensile Strength	ASTM D 412 Die B	15N/mm ²
Tear Strength	ASTM D 624 Die C	53N/mm ²
Elongation at Break	ASTM D412 Die B	120 %
Abrasion Resistance	ASTM D4060, Taber dry CS10/100 rev/ 1kg	9 mg
Impact Resistance	1 meter, 2kg	200 kg.cm. (No Damage)
Pot Life of the Mixture @20°C		30 minutes
Tack Free Time @20°C		3 hours
Cure Time for Light Trafficability @20°C		12-16 hours
Cure Time for Heavy Trafficability @20°C		2 days

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