

1. Product Description

StenCoat® 2PU TOP HD is an acrylic-polyurethane based, two-component, protective topcoat paint. **StenCoat® 2PU TOP HD** is resistant to chemicals, outdoor conditions and UV radiation; it does not lose its elasticity or color. It protects the coated surface from water penetration and improves its resistance to oxidation and abrasion.

2. Uses

StenCoat® 2PU TOP HD protects epoxy floor systems against sunlight, scratches, abrasions and impacts. It can be used as a protective layer in all kinds of floor systems. Surfaces coated with **StenCoat® 2PU TOP HD** are easy to clean, dry quickly, and do not generate dust.

The coating retains its color, elasticity, abrasion resistance, water impermeability and UV resistance for a long time. It covers the cracks, defects and joints of the floor, provides a smooth topcoat and prevents water penetration.

3. Application

3.1. Surface Preparation

Application surfaces must be clean and dry. Application must not be carried out if the surface temperature is below 10 °C or above 40 °C. Epoxy and polyurethane substrates must be fully cured before the application.

3.2. 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. Application must not be carried out if there is a possibility of rain.

StenCoat® 2PU TOP HD is ready for application when components A and B are mixed. The components are packaged so that one container of each yields the correct mixing ratio. In cases where a complete package will not be used, the package must be weighed and proportioned; the mix ratio stated on the package must be observed. Component B is added into the container of component A and they are mixed for 2-3 minutes at 300-500 rpm without entraining air in the mixture. If necessary, it can be thinned by adding up to 20% **StenSolver PU**. Mixed material must be used within the pot life, and thickened material must not be thinned and reused.

StenCoat® 2PU TOP HD is applied by spraying or by brush and roller. The application is carried out in one or two coats, with 150-250 g per m² per coat.

3.3. Cleaning

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

Polyurethane-Based Heavy-Duty Protective Floor Paint

Highlights

- Resistant to indoor and outdoor conditions
- Not adversely affected by vehicle traffic
- Protects the surface against water permeation
- Resistant to UV radiation and does not discolor
- Ideal for protecting epoxy floors against adverse effects
- Easy to clean
- Easy to apply
- Provides a long application window
- Fast cure after application
- Available in catalog colors



4. Safety

Applicators and supervisors must read the Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be disposed of in compliance with relevant regulations and laws. The application must be carried out by skilled workers under the supervision of experts and the applicators must use all personal protective equipment required for the worksite and the task such as goggles, mask and gloves.

5. 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.

Low temperatures may cause crystallization of the product; in this case, the product can be used after being warmed to +20 °C and homogenized. After prolonged storage, the product must be stirred thoroughly before use.

6. Disclaimer

This document is provided for general information and is based on **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information without prior 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 purpose and for all conditions of transport, storage, application, 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.



7. Technical Data

Property	Method	Result
Base Polymer		Two-Component Acrylic-Polyurethane
Solids Content (by weight)		70% ± 5%
Color		Catalog
Density		1.44 ± 0.03 g/cm ³
Density (Dry Film)		1.51 ± 0.05 g/cm ³
Application Thickness (per coat, dry film)		80-200 µm
Abrasion Resistance	ASTM D 4060 CS10/1000 rev/1 kg	55 mg
Impact Resistance	EN ISO 6272-1	No Damage
Radiation Resistance	200 hours, Xenon Arc	No Damage
Pot Life @20 °C		40 ± 15 minutes
Tack-free Time (100 µm) @20 °C		20 minutes
Full Cure Time @20 °C		2 days
Consumption		150-250 g/m ²
Shelf Life		1 year
Packaging		15 kg sets

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 (PR-C) (DoP STN-PRC-2PUTOPHD-0001).*

