

1. Product Description

StenCoat® 2PU-Y is a polyurethane-based, two-component, solvent-free road marking paint with high abrasion resistance.

StenCoat® 2PU-Y is resistant to traffic and outdoor conditions. Due to its UV resistance, it does not discolor and does not lose its mechanical properties under UV sources.

2. Uses

StenCoat® 2PU-Y is used as a marking and line paint on surfaces such as asphalt, concrete, epoxy or polyurethane floor coatings. Since it does not contain solvents, it is preferred on sensitive asphalt surfaces such as airport runways. It can be used in all kinds of marking applications where service life is prioritized.

3. Surface Preparation

Application surfaces must be as clean as possible. There must be no fuel, oil or water on the surface. Application must not be carried out if the surface temperature is below the dew point or above 50 °C.

4. Application

StenCoat® 2PU-Y is prepared for the application by mixing two components. The components are packaged so that one container of each yields the correct mixing ratio. Using a two-component, metering spray machine with static mixer is recommended as the material cures quickly after mixing.

When this is not possible, two components should be manually mixed and applied by a normal spray equipment as soon as possible. If the contents of a set cannot be used at once, it should be proportioned by weight. Container of component B is completely emptied on component A and they are mixed at 200-400 rpm without letting in excessive air into the mixture.

Mixing time is 1-2 minutes. If necessary, it can be thinned by adding up to 10% **StenSolver PU**. Solvents should not be used on asphalt surfaces.

Reflective glass spheres must not be mixed into the material; they must be sprinkled onto the paint after it is applied to the surface. Excess glass beads can be removed after one hour. Mixed material must be used within the pot life, and thickened material must not be thinned and reused.

5. Cleaning

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

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.

Road Line and Marking Paint

Highlights

- Two-component, polyurethane-based road marking paint
- Solvent-free
- Highly resistant to abrasion
- Resistant to traffic and outdoor conditions
- Resistant to UV radiation, does not discolor
- Catalog colors are available
- Available in 20 kg sets



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.

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
Color		Color Catalog
Base Polymer		Polyurethane
Solid Content (by weight)	EN ISO 3251	100
Application Thickness		600-1500 µm
Density	EN ISO 2811-2	1.3 ± 0.1 g/cm ³
Hardness (Shore A)		85
Abrasion Resistance (CS 17, 1 kg, 1000 cycles)		137 mg
Time to open to traffic		2 hours
Shelf Life		1 year
Packaging		20 kg sets

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

