

1. Product Description

StenCoat® 2EP GPC is a two-component epoxy-based protective paint for the internal surfaces of gas pipes. It forms a smooth layer that helps flow and protects the gas pipes from abrasion.

2. Uses

StenCoat® 2EP GPC is used as a single-coat protective paint to coat the internal surfaces of gas pipes that carry natural gas. It is designed to increase the flow inside the pipe while protecting the coated surface.

3. Surface Preparation

It is recommended to sandblast the surface before application. If sand blasting cannot be done, the surface should be cleaned with a rotating brush or other available means. Dust due to sandblasting or brushing must be cleaned off before application.

If grease, oil, old coatings or chemical contaminants are present, the surface must be cleaned by chemical or mechanical methods. The application should be made before the metal surface becomes soiled or corrodes again. Moisture and wetness on the surface should be avoided.

4. Application

StenCoat® 2EP GPC is prepared for the application by mixing two components. The components are mixed in 4:1 (A:B) volumetric ratio. If the application conditions require material to be thinned, volumetric mixing ratio of the components may change.

User must make sure the adequate mixing ratio is maintained. During the application, the pipe interior may accumulate a high concentration of volatile and flammable materials. Adequate fire-prevention measures must always be maintained around the application area.

The preferred method for **StenCoat® 2EP GPC** application is via an automatic metering, airless spray. The components should be mixed with a static mixer before they reach the spray nozzle. The application is done in a single coat with thickness between 80-120 µm.

However, it is also possible to manually mix the components and apply with an airless or air spray gun. It is recommended to condition the materials at 20-30 °C for one day before application. Mixed material must be used within the pot life.

Material that has begun to thicken must not be diluted for reuse.

5. Cleaning

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

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

Epoxy-Based Gas Pipe Coating

Highlights

- Single-coat application
- Highly resistant to abrasion
- Pinhole-free surface
- Fast cure after application
- Long-lasting protective coating



equipment required for the worksite and the task such as goggles, mask and gloves.

7. Storage

The material must be kept in dry indoor storage. Storage temperature must be between 5 and 30 °C. 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
Base Polymer		Epoxy
Appearance - Color		Red-Brown
Solid Content (by weight)	EN ISO 3251	77%
Volume Solids	EN ISO 3233-2	62%
VOC		252 g/L
Density (Component A)		1.51 ± 0.05 g/cm ³
Density (Component B)		0.89 ± 0.05 g/cm ³
Density	EN ISO 2811-2	1.39 ± 0.05 g/cm ³
Application Thickness		80-120 µm
Consumption for 85 µm DFT		190 g/m ²
Shelf Life		1 year
Packaging		200 L barrel sets

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

