

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 pipes that carry natural gas. It is designed to accelerate the flow inside the pipe while protecting the coated surface.

3. Application

3.1. Surface Preparation

It is recommended to sandblast the surface before application. If sandblasting cannot be done, the surface should be cleaned with a rotating brush or similar equipment. Dust adhering to the surface during 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 abrasive or chemical methods. The application must be made before the metal surface becomes soiled or corrodes again. There must be no moisture or wetness on the surface.

3.2. Application

StenCoat® 2EP GPC is ready for application when components A and B are mixed. The components are mixed at a volumetric ratio (A:B) of 4:1. If the application conditions require material to be thinned, the volumetric mixing ratio of the components may change.

The applicator must ensure that an appropriate batch quantity is prepared. During the application, a high concentration of volatile and flammable substances may accumulate inside the pipe. Adequate fire-prevention measures must always be taken around the application area.

The recommended application equipment for **StenCoat® 2EP GPC** is an airless spray gun with automatic metering. The components must be mixed with a static mixer before they reach the spray nozzle. The material is applied in a single coat at a thickness of 80-120 µm. However, it is also possible to manually mix the components and apply the mixture 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.

3.3. Cleaning

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

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.

Epoxy-Based Gas Pipe Coating

Highlights

- Single-coat application
- Resistant to abrasion
- Pinhole-free surface
- Fast cure after application
- Provides long-lasting protection



5. 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 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		Epoxy
Appearance - Color		Red-Brown
Solids Content (by weight)	EN ISO 3251	77%
Solids Content (by volume)	EN ISO 3233-2	62%
Volatile Organic Compound (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
Theoretical Consumption at 85 µm Dry Film Thickness		190 g/m ²
Shelf Life		1 year
Packaging		200 l drum sets

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

