

Technical Data Sheet

HENSOGRUND 2K (adhesive primer)

Solvent-based 2-pack adhesive primer based on epoxy resin for HENSOTHERM® fire protection coating systems on galvanised steel surfaces

SUBSTRATES / PROPERTIES

Substrates: **Galvanised steel**

- VOC 385 g/l
- Fast hardening, mechanical resistant
- Adhesive primer for solvent-based and water-based HENSOTHERM® fire protection coatings on galvanised surfaces

PRODUCT DATA

HENSOGRUND 2K

Colour: Iron mico, matt | **Packaging:** 5kg base + 0.55kg hardener or 20kg base + 2.2kg hardener

Mixing ratio (weight): 100:11 with hardener

Thinning and/or Cleaning with HENSOTHERM® V 22 or HENSOTHERM® V 45

Shelf life: 12 months in unopened original pails at ambient temperatures in dry conditions

HENSOGRUND 2K / Reference values (theoretical values without losses)

Specific gravity (g/ml) 1.76	Coverage rate (m²/kg) 5.6	Volume solid (%) 65
Consumption rate (kg/m²) 0.180	Wet film thickness (µm) 100	Dry film thickness (µm) 60

APPLICATION INSTRUCTIONS

Recommendation at temperatures of approx +20 °C



Airless



Roller / Brush

Nozzle size (inch)	0.013	-
Operation pressure (bar)	120–150	-
DFT* per layer (µm)	60	60
Thinning (%)	0–5	0

*DFT = Dry film thickness



Pot life

7.5 hours (referred to +10 °C), 6 hours (referred to +20 °C), 2.5 hours (referred to +30 °C)



Drying time at 60 µm DFT

Dust dry:

Ready for overcoating with HENSOTHERM®:

Ambient temperature +20 °C

after approx 30 minutes

after min. 24 hours and max. 4 weeks

Each layer must be dried through (fingernail test positive) before the next application!

APPLICATION INSTRUCTIONS

Surface preparation

Galvanised surfaces

- Galvanised components must be tempered (heated), acc. to DIN EN ISO 12944-4, before coating with HENSOGRUND 2K (Blistering!)
- Surfaces has to be cleaned to remove contamination and to ensure adhesion
- Sweep blasting or efficient to washing with solvents and cleaning by high-pressure are recommended according to the degree of pollution
- For outdoor use sweeping is required in case of permanent high humidity
- Surface preparation should be carried out according to good painting practises - DIN EN ISO 12944-4

Before overcoating with HENSOTHERM®

Before the application of the HENSOTHERM® fire protection coating all bond damaging substances shall be completely removed.

Note: Maximum overcoating interval with HENSOTHERM®: 4 weeks
Please contact our Technical Support if the overcoating intervall is longer.

Preparation of the coating substances

Stir thoroughly the component A (base), using an electric agitator. While stirring, add the component B (hardener) in the specific mixing ratio and continue mixing until the compound becomes homogeneous. Then fill the mixture in a clean pail and stir again thoroughly.



Air and surface temperatures: The temperature of the steel surface and the ambient temperature must remain between + 15 °C up to + 25 °C during the coating procedure. Not below + 10 °C or above + 30 °C! During the application, the surface temperature of the coated part must be at least + 3 °C above the dew point of the ambient temperature!



Relative humidity max. 80 %

COATING SYSTEMS

Products

Adhesive primer	HENSOGRUND 2K
Fire protection coating	HENSOTHERM® 410 KS, HENSOTHERM® 421 KS, HENSOTHERM® 471 KS, HENSOTHERM® 310 KS, HENSOTHERM® 310 KS rapid, HENSOTHERM® 320 KS, HENSOTHERM® 370 KS, HENSOTHERM® 910 KS
Top coats depending on the system	HENSOTOP SB, HENSOTOP WB, HENSOTOP 2K PU (in RAL, DB, NCS colour shades or in individual colour shades available)

PRECAUTIONS FOR SAFETY USE



Use HENSOGRUND 2K in accordance with all applicable local and national regulations.
Giscode: RE 2,5

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