

# Hensogrund 2K-EP

Solvent-based 2-pack epoxy primer for use with Fireshield® 920KS.

## PRODUCT INFORMATION

### DESCRIPTION

Fireshield® Hensogrund 2K-EP is a two-pack epoxy resin primer for blasted steel and cast iron profiles for corrosive category C2 to C5.

### CONDITIONS OF USE

Fireshield® Hensogrund 2K-EP is an industrial product and can only be applied by Fireshield trained Applicators.

### APPLICATION

#### Surface preparation:

- Blast to surface preparation level Sa 2.5 according to EN ISO 12944-4, surface roughness medium (G) according to EN ISO 8503-1.
- If blasting is not possible, then mechanical preparation St 3, metallicly bright, surface roughness must be used.
- Ensure that the surface is completely clean and dry. Remove all dust, oil, grease, loose material or other contaminants.
- For cast iron surfaces two applications with a minimum of 60 µm dry film thickness are required.
- The coverage rate does not include the correction factor for rough surfaces according to ISO 19840.

#### Overcoating:

Before the application of the Fireshield 920KS®, ensure that the surface is completely clean and dry. Remove all dust, oil, grease, loose material or other contaminants. Remove by completely sweep blasting in when exposed outdoors or in areas with increased relative humidity adjustment of the dry film thickness may be required.

**Note:** Maximum overcoating interval with Fireshield 920KS® is 3 months. Please contact our Technical Support if the overcoating interval is longer.

#### Hensogrund 2K Preparation:

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

### APPLICATION ENVIRONMENT

During application and drying ensure that:

- The air and steel surface temperature is above +10°C and below +30°C.
- During the application, the surface temperature of the steel must be at least +3 °C above the dew point.
- The relative air humidity level is below 80%.
- The area is well ventilated with constant air flow.

### Application Instructions:

Spray Application is the preferred application method as brushing can prove difficult.

	Airless Spray	Roller/Brush
Nozzle Size (inch)	0.013	-
Operation pressure (bar)	150 – 250	-
DFT* per coat (µm)	80	60-80
Thinning (%)	0-3	0

It is the user's responsibility to check that you have the latest technical datasheet available by visiting [fireshieldcoatings.com](http://fireshieldcoatings.com) or checking with your local Fireshield Representative as the information contained in this technical data sheet is modified from time to time in line with our policy of continuous product development. The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) are correct to the best of our knowledge, Fireshield has no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. Fireshield hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. You should request a copy of this document and review it carefully.

## TECHNICAL INFORMATION

Colour	Light grey
Gloss Level	Matt
Packaging	22 kg base (A) + 4.4 kg hardener (B)
Mixing ratio (weight)	5:1 with hardener
Thinning and / or Cleaning	HENSOTHERM® V 22/ HENSOTHERM® V45
Specific gravity (g/ml)	1.5
Coverage rate (m <sup>2</sup> /kg)	4.2 @ 150µm WFT/ 80µm DFT
Consumption rate (kg/m <sup>2</sup> )	0.240 @ 150µm WFT/ 80µm DFT
WFT to DFT (µm)	150µm WFT = 80µm DFT
Volume solid (%)	55%
VOC	435 g/l

### COATING SYSTEM

\*WFT=Wet film thickness DFT = Dry film thickness - all at zero wastage

Primer	Hensogrund 2k
Fire Protection Coating	Fireshield 920KS
Top Coat (if reqd)	Hensotop SB, Hensotop 2K PU

### Pot Life:

At +10°C	5.5 hours
At +20°C	4 hours
At +30°C	1.5 hours

### DRYING TIMES

At a minimum air temperature of +20°C and a film thickness of 60 microns DFT, the following drying times are applicable:

- Touch Dry 45 minutes approx
- Ready to overcoat with self 8 hours approx
- Ready for overcoating with 920KS min. 24hrs

NOTE: Dry times may be lengthened by poor air flow and environmental conditions differing from those listed above, which are a guide only.

### SHELF LIFE

12-months at +25°C if stored in original sealed containers in dry conditions.

### SUPPLIER:

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Manufactured by:

