

# Hensotop 2K-PU

Solvent-based 2-pack top coat for use with the Fireshield® 920KS intumescent system.

## PRODUCT INFORMATION

### DESCRIPTION

Fireshield® Hensotop 2K-PU is a two-pack solvent based top coat for use over Fireshield® 920KS fire protection in all corrosivity zones and for weather protection during construction if required.

### CONDITIONS OF USE

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

### APPLICATION

Fireshield® Hensotop-2K-PU top coat offers protection when the steel surface is exposed to moisture, human impact, exterior environments or the surface requires regular cleaning.

Do not apply the top coat before Fireshield 920KS® is fully dried! Minimum is 24 hours after application and after a positive fingernail test.

Ensure that the surface is completely clean and dry. Remove all dust, oil, grease, loose material or other contaminants.

### 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 when exposed outdoors. In areas with increased relative humidity adjustment of the dry film thickness may be required.

### 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 and up to a maximum temperature of ≤ + 35 °C.
- 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)	0.011-0.013	-
Operation pressure (bar)	120 - 150	-
DFT* per coat (µm)	70 - 80	70-80
Thinning (%)	0-5	0

\*WFT=Wet film thickness DFT = Dry film thickness

### NOTE:

- If HENSOTOP 2K-PU must be applied out of different batches, mix both materials (of the same colour shade) together before application.
- Colour shades containing metallic pigments may change application by brush or roller.

## TECHNICAL INFORMATION

Colour	Varies (RAL, NCS, DB)
Gloss Level	Silky matt (< 30 gloss units at 60°)
Packaging	20kg base (A) + 3.4kg hardener (B)
Mixing ratio (weight)	100:17
Cleaning / Thinning (max 5%)	HENSOTHERM® V 84/ HENSOTHERM® V45
Specific gravity (g/ml)	1.35
Coverage rate (m²/kg)	6.9 @ 110µm WFT (at zero wastage)
Consumption rate (kg/m²)	0.145 (70 µm DFT at zero wastage)
WFT to DFT (µm)	110µm WFT = 70µm DFT
VOC	318 g/l

\*WFT=Wet film thickness DFT = Dry film thickness

### COATING SYSTEM

Primer	Hensogrund 2K-EP / Hensogrund-2K
Fire Protection Coating	Fireshield 920KS
Top Coat	Hensotop-2K-PU

### Pot Life:

At +10°C	2 hours
At +20°C	1.5 hours

### DRYING TIMES

At a minimum air temperature of +20°C and a film thickness of 70 microns DFT, the following drying times are applicable:

- Touch Dry > 4 hours approx.
- Dry to handle > 6 hours approx

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 :

#### Fireshield®

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New Zealand  
Ph: 0800 347 374 [www.fireshieldcoatings.com](http://www.fireshieldcoatings.com)

Manufactured by:

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