

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 with the Fireshield® 920KS intumescent system in C1 to C5 corrosivity zones.

Fireshield® Hensotop 2K-PU is a durable, mechanically resistant top coat with high abrasion resistance, it is resistant to chemicals e.g. oils, fuels, salts and dilute acids.

CONDITIONS OF USE

Fireshield® Hensotop 2K-PU is an industrial product and should be applied by Fireshield® Registered Applicators.

PRECAUTIONS

The following precautions must be taken:

- All work involving the application and use of this product should be compliant with all relevant National Health, Work Safety & Environmental standards and regulations.
- Before use read the Fireshield® Hensotop 2K-PU Material Safety Data Sheet (MSDS) and have a copy available on site at all times.
- Where conditions may require variation from the recommendations on this Product Data Sheet contact Fireshield® for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Fireshield®.

APPLICATION INSTRUCTIONS

Fireshield® Hensotop-2K-PU offers protection when the steel surface is exposed in interior installations and must be used in exterior environments to complete the Fireshield® 920KS fire rated system.

Do not apply the top coat before Fireshield 920KS® is fully dried. Minimum period is 24 hours after application of Fireshield® 920KS and after a positive fingernail test. Ensure that the surface is completely clean and dry prior to application. Remove all dust, oil, grease, loose material or other contaminants.

Application Environment:

During application, curing and drying ensure that:

- The air and steel surface temperature is above +10°C and below +25°C.
- During the application, the surface temperature of the steel must be at least + 5 °C above the dew point and up to a maximum temperature of ≤+35 °C.
- The relative air humidity level is ≤ 80%.
- The area is well ventilated with constant air flow.

Pot Life:

Mechanically stir well before use:

- 2 hours at + 10°C.
- 1.5 hours at +20°C

Application Method:

Spray Application is the preferred application method:

	Airless Spray	Roller/Brush
Nozzle Size (inch)	0.011-0.013	-
Operation pressure (bar)	120 - 150	-
DFT* per coat (µm)	50 - 80 DFT	70-80
Thinning (%)	0 to 5%	0

*WFT=Wet film thickness DFT = Dry film thickness

TECHNICAL INFORMATION

Colour	Available in RAL, NCS and DB.
Gloss Level	Silky matt (< 30 gloss units at 60°)
Packaging (Parts A and B)	20kg base (A) + 3.4kg hardener (B)
Mixing ratio (by weight)	100 :17
Cleaning / Thinning (max 5%)	Fireshield® V 84/ V45
Specific gravity (g/ml)	1.35
Coverage rate (m ² /kg)	6.9 @ 110µm WFT (at zero wastage)
Consumption rate (kg/m ²)	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

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 / Dust 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.

STORAGE AND TRANSPORT

Recommended storage conditions:

- Store at a temperature above +5°C and below +30°C.
- Store indoors and undercover in temperate conditions.
- Store away from direct sunlight, do not expose to extreme heat.
- Do not allow to freeze.
- Keep containers closed when not in use.
- **Keep out of reach children!**

SHELF LIFE

Part A minimum 15 months and Part B minimum 9 months when stored in original sealed containers in the conditions listed above, product is subject to re-inspection thereafter as shelf life is not an expiry date.

SUPPLIER :

Fireshield®
825 Colombo Street
Christchurch 8013,
New Zealand
Ph: 0800 347 374 www.fireshieldcoatings.com

Manufactured by:



It is the user's responsibility to check that you have the latest technical datasheet available by visiting 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.