



FIRESHIELDWEATHERSEAL

Sealer for Fireshield® steel intumescent coatings for improved weather resistance during construction.

PRODUCT INFORMATION

Fireshield® WeatherSeal is a single pack sealer coat formulated to increase the weather resistance of the following Fireshield structural steel single pack intumescent coatings from rain or mechanical damage during construction:

- Steel 1001
- Fireshield®471KS
- Fireshield® SQ476

Fireshield® WeatherSeal can be top coated with any Fireshield approved solvent or waterborne topcoat.

CONDITIONS OF USE

Fireshield® WeatherSeal is an industrial product and can only be applied by Fireshield® Registered Applicators.

WeatherSeal provides increased weather protection during the construction phase for up to 6-months on steel beams and columns coated with Fireshield® structural steel single pack intumescent coatings.

The increased durability period relies on the intumescent coating being fully cured before it is coated with WeatherSeal and the system is exposed to weathering. It is essential that any coated steel surface does not have prolonged or permanent contact with ponding water, heavy constant rain or moisture even with WeatherSeal applied.

Ensure all surfaces are fully coated and protected: all arised edges, bolts, nuts and difficult to coat areas may require brushing-in and stripe coating.

PERFORMANCE

- Excellent weathering and durability.
- Excellent adhesion and simple to apply.
- Can be over coated with acrylics alkyds, vinyl's and some urethanes.
- High Build.

APPLICATION

- The intumescent surface to be coated is completely clean and dry. Remove all dust, oil, grease, loose material or other contaminants.
- The product is occasionally stirred while using.
- Application occurs using suitable equipment for the substrate, working conditions and desired finish.

APPLICATION ENVIRONMENT

During application and drying ensure that:

- The air temperature is above +10°C and below +35°C.
- The relative air humidity level is below 75%.
- The area is well ventilated with constant air flow.

During application or drying protect from wetting/moisture/condensation and human impact.

LIMITATIONS

- Spray Application is recommended: brush application can prove difficult with inconsistent film thicknesses.
- WeatherSeal is designed to increase the weather resistance of Fireshield intumescent coatings during construction, it is not a waterproof coating capable of full immersion in water.

TECHNICAL INFORMATION

Vehicle Type	Acrylic Modified Alkyd
Pigment Type	Aluminium Flake
Solvent	Aromatic
Gloss Level	Low Sheen
Volume Solids	60%
Colour	Aluminium Silver
Recommended DFT	50-70 microns per coat DFT
Theoretical Coverage	10.4m ² /litre @ 50 microns DFT
Number of Coats	One (Double Head Coat)
Abrasion Resistance	Very Good
Chemical Resistance	Excellent
Heat Resistance	Up to 85°C (Dry Heat)
Durability	Excellent
Thinning and Clean up	Fireshield® WeatherSeal thinner
Pack Sizes	20-litre containers.

STORAGE CONDITIONS

Recommended storage conditions:

- Store at a temperatures above +5°C and below +35°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 of children

DRYING TIMES

At a minimum air temperature of 20°C and relative air humidity of 50% the following drying times are applicable:

- Touch Dry 40 minutes
- Hard 4-5 hours

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 under recommended storage conditions listed on this TDS.

SUPPLIER :

Fireshield® New Zealand
 Level 1/150 Lichfield Street
 Christchurch 8013,
 New Zealand
 Ph: 0800 347 374
 www.fireshield.co.nz

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.