

# TECHNICAL DATA SHEET

## FIRESHIELD

### ARCHITECTURAL WHITE

#### Steel Intumescent.



#### PRODUCT DESCRIPTION:

FIRESHIELD ArchitecturalWhite is a water-borne, thin film white intumescent coating used as part of an interior system for fire insulation of steel

#### PACKAGING:

ArchitecturalWhite is supplied in 25kg or 12.5kg buckets.

#### PROTECTION:

ArchitecturalWhite provides up to 90-minute protection to structural steel.

#### APPLICATION

Refer to FIRESHIELD ArchitecturalWhite Application Instructions prior to installation. ArchitecturalWhite can only be applied by Approved Applicators.

The surface that is to be coated with FIRESHIELD ArchitecturalWhite must be primed, free from dust, grease and be dry.

The primer must be installed as per the Manufacturers instructions, ensure the primer is compatible with ArchitecturalWhite prior to application.

Application and curing should be avoided at air temperatures below 10°C and humidity above 80%. Check surface temperature of steel and dew point levels.

Application of FIRESHIELD ArchitecturalWhite by airless spraying produces the best results, but it can also be applied by roller or brush.

Please contact us for recommended airless spray specifications including operating pressure, tip size and fan angle.

FIRESHIELD ArchitecturalWhite should be well stirred before application, mechanical stirring is advised. Tools to be cleaned in water.

FIRESHIELD ArchitecturalWhite should be sealed with an approved topcoat when used in areas with constant air humidity higher than 75%, or when a washable surface is required. Consult FireShield for a complete list of approved topcoats.

During application, measure the wet film thickness frequently with a WFT gauge to ensure the correct thickness is being applied as per the project specific loading schedule.

#### ENVIRONMENTAL CERTIFICATIONS:



#### TECHNICAL INFORMATION

Viscosity:	High viscosity
Flash point:	Non-combustible
Volume Solids:	68%
Specific Gravity	1.39
Theoretical Coverage:	2040 g/m <sup>2</sup> based on an applied 1000-microns dry film thickness
Thinner:	DO NOT THIN! Use water to clean tools.
Storage:	12 months for unopened packaging. MUST BE STORED ABOVE 5°C.

Wet paint quantity (g/m <sup>2</sup> )	Wet film (µm)	Dry film (µm)
2040	1470	1000

#### DRYING TIMES

Dry times at +23°C, and humidity of 50% are as follows:

- 8 hrs between coats of FIRESHIELD ArchitecturalWhite intumescent.
- 48 hrs before top coating.

Poor air flow, overnight condensation or high humidity will lengthen these times. Do not over coat if not touch dry.

#### CERTIFICATION

Tested to EN13881-4:2013. Certification, compliance and classification in accordance with AS4100:1998 and NZ3404:1997. Assessed to AS1530.4:2005, BS476:2009, and UK AFP Yellowbook 5th Edition.

#### HEALTH AND SAFETY PRECAUTIONS

The Safety Datasheet and Applicator Instructions must be read and understood prior to use.

##### Preventive measures:

Avoid contact with skin and eyes. **Keep out of reach of children!**

##### Personal Safety Equipment:

At handling where prolonged or repeated direct contact cannot be excluded, protective gloves should be worn. Protective glasses are recommended when there is a risk of splashes.

To avoid other types of direct contact, suitable protective clothing is recommended. For further information, see the FIRESHIELD ArchitecturalWhite Safety Data Sheet.



HEAD OFFICE  
FIRE PROTECTION COATINGS LTD,  
PO Box 1016,  
Christchurch 8013  
New Zealand  
E-mail: info@fireshieldcoatings.com  
Tel: NZ 0800 FIRESHIELD / 0800 347 374  
AU 1800 092 097

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