

# Promat

## Cafco SPRAYFILM® WB3 Intumescent Paint for protection of Structural Steel



Structural Protection

**etex** inspiring ways  
of living

# Cafco SPRAYFILM® WB3

## Intumescent Paint



### Material properties

<b>Colour</b>	White
<b>Consistency</b>	Liquid
<b>Density</b>	1360kg/m <sup>3</sup> +/- 200kg/m <sup>3</sup>
<b>Solid Content</b>	70% +/- 2%
<b>pH Value</b>	8 +/- 0.2 at 25°C
<b>Viscosity</b>	~42 Pas at 20°C
<b>VOC Content</b>	<0.2 g/L

### Application Properties

<b>Consumption</b>	~27m <sup>2</sup> /pail [0.5mm DFT]
<b>Installation Temperature</b>	+10°C to 35°C
<b>Initial Set</b>	Approx. 6hrs at 20oC & 50% RH @ 0.4mm

#### Packaging

- 25 kg plastic containers

#### Storage requirements:

- Store in a cool, dry place. Shelf-life at least 10 months in original sealed containers.

## General Description

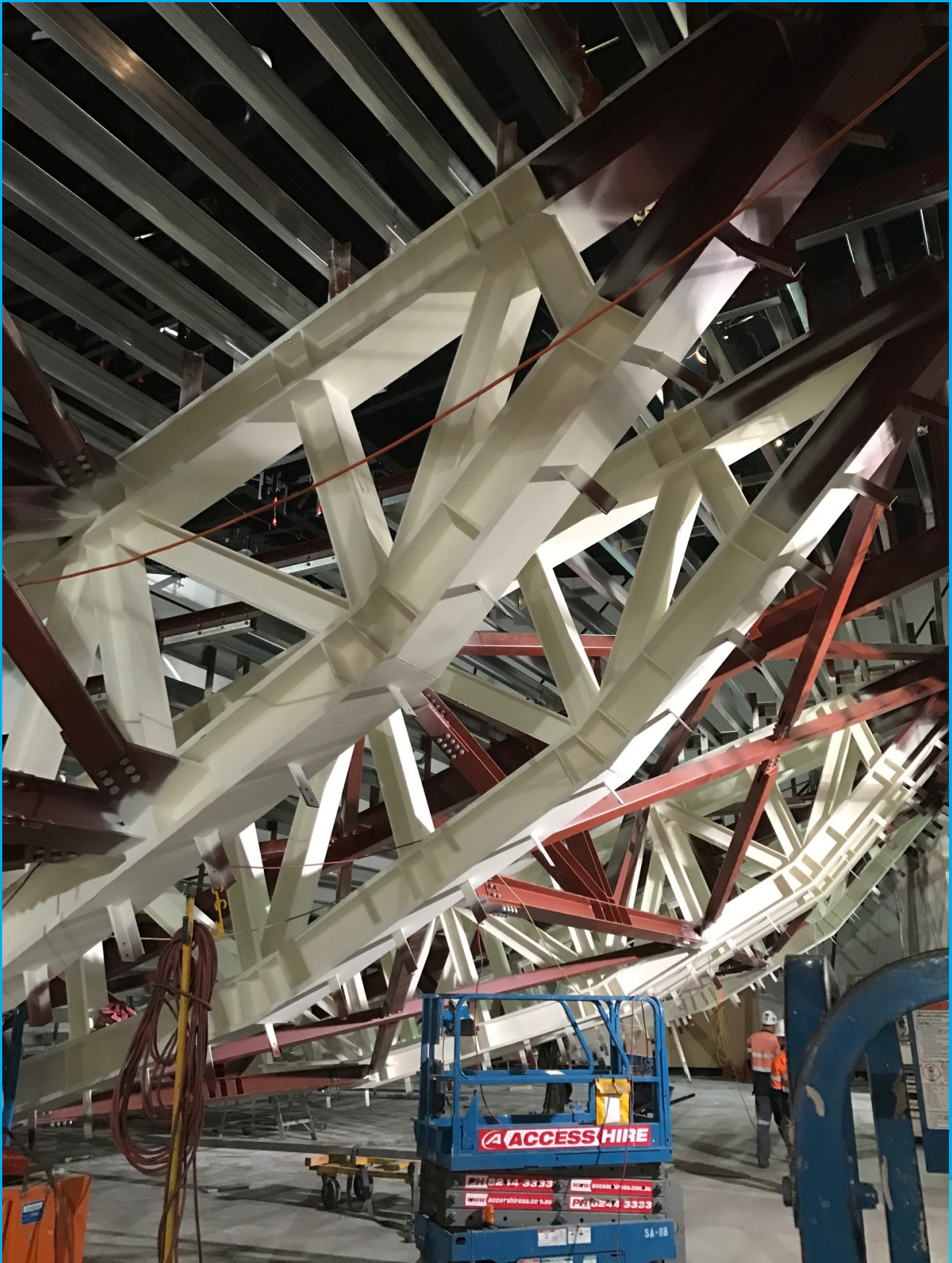
Cafco SPRAYFILM® WB3 is a water borne intumescent paint for the fire protection of steel structures. It provides an aesthetic surface finish, is easy to apply, can be finished in any colour. It can be applied to both open and hollow steel sections and is suitable for galvanized or mild steel structures. (With applicable primer). Cafco SPRAYFILM® WB3 is approved to AS1530.4: 2014 & AS4100 for Fire Resistance Levels (FRL) of up to 120/-/- at a variety of different critical temperatures

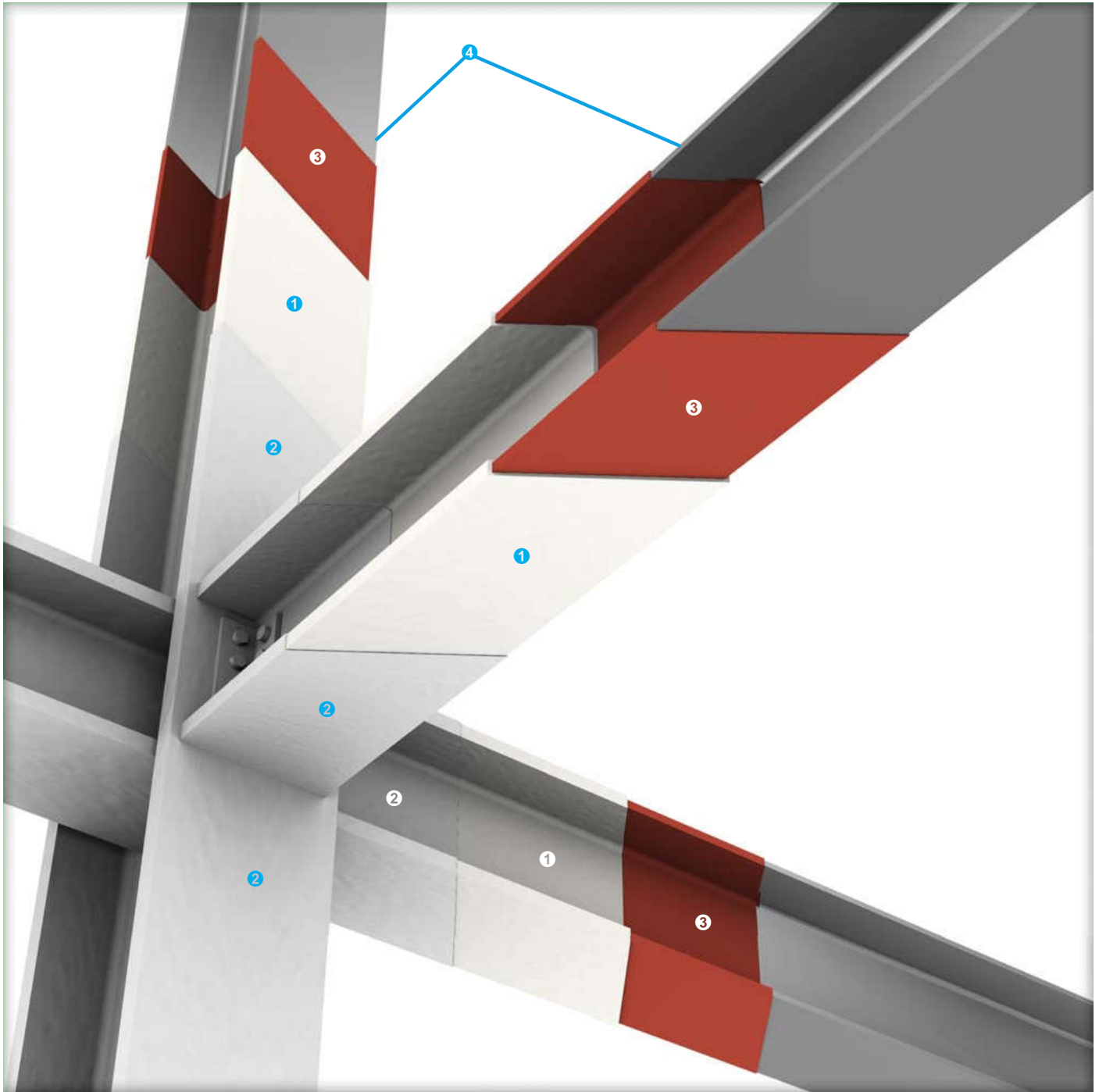
A health and safety data sheet is available from the Promat and, as with any other materials should be read before working with the board.

### Health and safety

Cafco SPRAYFILM® WB3 is a technical paint, no mixing with conventional paints is allowed. Individual layers should be applied with care. Check compliance with the required layer thickness. Only tested and approved primers and topcoats should be used. Product details available by request to Promat.

Cafco SPRAYFILM® WB3 may only be applied by a trained and approved installer





Up to 120/-/- fire resistance in accordance with the requirements of AS 1530: Part 4: 2014 & AS4100

1. Spray, brush or roller applied Cafco SPRAYFILM® WB3 water based intumescent coating, thickness in accordance with the required critical temperature and section factor
2. Spray, brush or roller applied approved topcoat a for humid applications and use in moisture laden conditions or wet areas
3. Primer approved by Promat - Please consult Promat and refer to application documents for the approved range of primers and top seals.
4. Structural steel column and beam. Clean, dry and free from dust, oil, loose mill scale or rust and any other condition preventing good adhesion AND blast cleaned in accordance with the requirements of AS 1627: Part 4 and SA 2.5 (ISO 8501-1: 1998) prior to applying the primer

## Architectural Specification

---

The following is a standard Architectural Specification for structural steel column and beam protection using Cafco SPRAYFILM® WB3. Please note that Cafco SPRAYFILM® WB3 should be installed by a trained or approved applicator using appropriate and recommended equipment. The end user must determine the suitability of any particular design to meet the performance requirements of any application before undertaking any work. If in doubt, please contact Promat

### Fire Exposure & Area of Application

---

Exposed faces of steelwork internal to building, for up to 120 minute fire resistance in accordance with the requirements of AS1530.4:2014 & AS4100<sup>(1)</sup>

### Location

---

(2)

### Type of Construction

---

\_\_\_\_\_ minutes<sup>(3)</sup> fire resistance to Cafco SPRAYFILM® WB3, one sided, two sided, three sided or four sided<sup>(4)</sup> coating of structural steel columns and beams.

### Spray Materials

---

Cafco SPRAYFILM® WB3 in 25kg pail containers as supplied by licensed manufacturers of Promat Australia Pty Ltd

### Surface Preparation

---

The substrate to be coated should be primed with an approved and appropriate primer for the environmental conditions. The primed surface should be clean, dry and free from dust, or any other condition preventing good adhesion before application of the intumescent coating.

Consult Promat for compatible primers

### Method of Application

---

Cafco SPRAYFILM® WB3 is supplied ready for use in sealed containers and generally does not need to be diluted. The material should be thoroughly stirred with a rotar type mixer prior to application.

The application of Cafco SPRAYFILM® WB3 is recommended by using an airless spray pump. Installation should only be done by trained and approved installers

### Follow on Trades

---

Surface of coating materials to be finished smoothly or with a suitable topcoat<sup>(4)</sup> in accordance with manufacturers recommendations.

#### NOTE:

- <sup>(1), (4)</sup> - Delete as appropriate
- <sup>(2)</sup> - Insert location, e.g "beams and columns to office interior" or provide steelwork drawing reference
- <sup>(3)</sup> - Insert required fire resistance level (not exceeding 120 minutes)

## Promat Australia Pty Ltd

### Adelaide office

1 Scotland Road  
Mile End South, SA 5031  
T 1800 PROMAT (776 628)  
F +61 (8) 8352 1014

### New South Wales office

Unit 1, 175 Briens Road  
Northmead, NSW 2152  
T 1800 PROMAT (776 628)  
F +61 (2) 9630 0258

### Victoria office

Suite 205, 198 Harbour Esplanade  
Docklands, VIC 3008  
T 1800 PROMAT (776 628)  
F 1800 334 598

### Queensland

T 1800 011 376  
F 1800 334 598

E: [PAPL.Mail@etexgroup.com](mailto:PAPL.Mail@etexgroup.com)

- The technical data provided in this publication is based on mean values prevalent at time of publication and is thus subject to change. It should not be regarded as a guarantee to system performance.

- All data contained herein conforms to and frequently surpasses generally accepted fire protection standards recognised by most professional fire science practitioners and regulatory authorities worldwide. The same general principle is equally applicable to all Promat products and systems. Promat has access to a considerable body of test authentication data and this can be provided on a complimentary basis upon request. It should be noted however that this publication replaces all previous editions in its entirety. Any form of reproduction by any means – manual, electronic, digital or otherwise – is strictly prohibited and subject to prior approval in writing from Promat. All rights related or connected to the Promat logo, Promat registered trademarks, featured illustrations, written information and technical reports in this publication are the sole, exclusive and copyright property of Promat and its legal partner companies.

[www.promat.com](http://www.promat.com)