



Fireshield™

Ultra Universal



Bollom Fireshield™ *Ultra Universal*

- Suitable for interior and exterior steel
- Ideal for Winter / low temperature applications
- Fully fire tested BS476 : Parts 20 & 21

FIRE PROTECTION for **STRUCTURAL STEEL**

Bollom Fireshield™ Ultra Universal

A SOLVENT-BASED INTUMESCENT BASE COAT FOR STRUCTURAL STEEL



- Fully fire tested to BS476 : Parts 20 & 21
- Ideal for Winter / low temperature applications
- Provides 30, 60, 90 & 120 minutes fire protection
- Suitable for interior and exterior steel
- Apply by brush, roller or spray



Loading Tables

Horizontal Beams: 620° C / 592° C						
Fire Resistance	Exposure	Lightest Section that can be protected		m ² /litre	WFT	DFT
		Maximum Section Factor	Minimum Flange Thickness			
30 Minutes	4-Sided	320 m ⁻¹	6.8 mm	0.89	1.12	0.76
	3-Sided	320 m ⁻¹	6.8 mm	1.33	0.75	0.51
60 Minutes	4-Sided	320 m ⁻¹	6.8 mm	0.29	3.50	2.38
	3-Sided	320 m ⁻¹	6.8 mm	0.40	2.53	1.72
90 Minutes	4-Sided	260 m ⁻¹	9.6 mm	0.12	8.28	5.63
	3-Sided	270 m ⁻¹	7.8 mm	0.18	5.53	3.76
120 Minutes	4-Sided	185 m ⁻¹	13.7 mm	0.12	8.31	5.65
	3-Sided	185 m ⁻¹	11.4 mm	0.12	8.31	5.65

Vertical Columns: 550° C						
Fire Resistance	Exposure	Lightest Section that can be protected		m ² /litre	WFT	DFT
		Maximum Section Factor	Minimum Flange Thickness			
30 Minutes	4-Sided	320 m ⁻¹	6.8 mm	0.89	1.12	0.76
60 Minutes	4-Sided	320 m ⁻¹	6.8 mm	0.29	3.50	2.38
90 Minutes	4-Sided	290 m ⁻¹	8.4 mm	0.10	10.41	7.08
120 Minutes	4-Sided	220 m ⁻¹	11.55 mm	0.10	10.40	7.07

4 Sided Square & Rectangular Hollow Sections: 530° C					
Fire Resistance	Maximum Section Factor	Minimum Wall Thickness	m ² /litre	WFT	DFT
60 Minutes	215 m ⁻¹	6.3 mm < 90 x 90	0.20	4.90	3.33
		5.0 mm ≥ 90 x 90			
90 Minutes	100 m ⁻¹	12.5 mm	0.21	4.85	3.30

4 Sided Circular Hollow Sections: 500° C					
Fire Resistance	Maximum Section Factor	Minimum Wall Thickness	m ² /litre	WFT	DFT
60 Minutes	220 m ⁻¹	5.0 mm ≥ 60.3 ø	0.21	4.78	3.25
90 Minutes	120 m ⁻¹	10 mm	0.20	4.88	3.32

WFT = Wet film thickness. DFT = Dry film thickness.

The Bollom brand has been associated with fire protection coatings technology since its conceptual stage in the early 1970s when the company (then known as J.W. Bollom & Co) acquired a very early intumescent for structural steel from France. It then went on to manufacture the first textured, solvent based intumescent. Since then the range has grown into one of the most comprehensive on the market including decorative coatings not only for structural steel but also internal walls and ceilings, external and internal wood and wood veneer. All of Bollom's Intumescent Coatings for structural steel have been fully fire tested BS476:Part 20/21:1987.

We offer a technical advice and specification service with on-site support if required. Certificates of Conformance and Installation are supplied with every purchase, and can be requested by the architect, main contractor, quantity surveyor or building control officer. Tor Coatings has ISO 9001 accreditation and is a member of the British Coatings Federation.

How do I get Fire Certification?

It's simple, just keep proof of purchase, batch numbers of the products used along with site details and contact our Customer Services Department on **0191 410 6611** with the information and they will send you the relevant Certificates of Conformance and Installation within 5 working days.



For technical advice or a list of stockists, contact: **Bollom Fire Protection - A Division of Tor Coatings Limited**, Portobello Industrial Estate, Birtley, County Durham, DH3 2RE. www.bollomfire.co.uk

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