



CERTIFICATE OF APPROVAL

No CF 739

This is to certify that, in accordance with
 TS00 General Requirements for Certification of Fire Protection Products
 The undermentioned products of

PROMAT UK LIMITED

The Sterling Centre, Eastern Road, Bracknell, Berkshire, RG12 2TD
Tel: 01344 381 375 Fax: 01344 381 401

Have been assessed against the requirements of the Technical Schedule(s)
 denoted below and are approved for use subject to the conditions
 appended hereto:

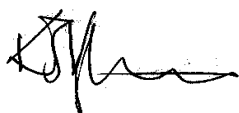
CERTIFIED PRODUCT

Supalux Board

TECHNICAL SCHEDULE

**TS14 Board/Spray Protection
 for Steelwork**

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight
 Chairman - Management Council
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Issued: 1st December 2009
 Reissued: 15th December 2014
 Valid to: 14th December 2019



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1. This approval relates to the use of Supalux Board for the fire protection of I-shaped beams and columns. The precise scope is given in Tables 1 to 10 which show the thickness of Supalux Board required to provide fire resistance periods in accordance with BS476: Part 21: 1987 of up to 120 minutes for differing section factors and steel temperatures.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.'
3. The products are approved on the basis of:
 - i) Initial type testing.
 - ii) A design appraisal against TS14
 - iii) Certification of quality management system to ISO 9001: 2008.
 - iv) Inspection and surveillance of factory production control
4. The data referring to three-sided fire exposure of beams relates to beams supporting concrete floor slabs. Separate consideration is required where this is not the case.
5. The data shown in Table 6 (550°C columns) and Table 8 (620°C beams) is applicable to Supalux Board protecting horizontal, vertical, flexural and compression members supporting loads up to the maximum design loads specified in BS449: Part 2. For other design temperatures it should be confirmed it is acceptable to utilise these temperatures prior to using the data for approval purposes.
6. The approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
7. The tables are appropriate for one and two sided exposure conditions and in the case of beams Table 6 also applies to beams exposed on four sides.

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Table 1: Limiting Section Factors for I-Section Beams and Columns: 300°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	99	33	-	-
9	159	51	30	-
12	228	69	41	29
15	260	89	52	36

Table 2: Limiting Section Factors for I-Section Beams and Columns: 350°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	124	39	-	-
9	200	59	35	-
12	260	81	47	33
15	260	104	60	42

Table 3: Limiting Section Factors for I-Section Beams and Columns: 400°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	157	44	-	-
9	260	68	39	-
12	260	94	53	37
15	260	122	68	47

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Table 4: Limiting Section Factors for I-Section Beams and Columns: 450°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	238	48	-	-
9	260	75	41	-
12	260	105	56	38
15	260	138	72	49

Table 5: Limiting Section Factors for I-Section Beams and Columns: 500°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	260	55	-	-
9	260	89	46	-
12	260	127	64	42
15	260	170	83	54

Table 6: Limiting Section Factors for I-Section Beams and Columns: 550°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	260	64	-	-
9	260	107	52	-
12	260	158	73	47
15	260	224	96	61

Table refers to columns and beams (four sided protection) supporting the maximum design loads specified in BS449: Part 2.

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Table 7: Limiting Section Factors for I-Section Beams and Columns: 600°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	260	77	-	-
9	260	134	60	-
12	260	212	86	54
15	260	260	116	71

Table 8: Limiting Section Factors for I-Section Beams and Columns: 620°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	260	84	-	-
9	260	149	64	-
12	260	243	93	57
15	260	260	128	76

Table refers to beams (three sided protection with concrete slab) supporting the maximum design loads specified in BS449: Part 2.

Table 9: Limiting Section Factors for I-Section Beams and Columns: 650°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	260	99	-	-
9	260	177	74	-
12	260	260	107	66
15	260	260	147	87

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Table 10 Limiting Section Factors for I-Section Beams and Columns: 700°C

Board Thickness mm	Limiting Section Factor up to (m ⁻¹) for Fire Resistance Period of			
	30 minutes	60 minutes	90 minutes	120 minutes
6	260	135	-	-
9	260	243	95	-
12	260	260	137	83
15	260	260	188	109

Approved Extensions

- a) Alternative methods of fixing including alternative supporting components and fixings.
- b) Protection required for one and two sided exposure.
- c) Protection required for four sided beam exposure.

See manufacturer for details.