

FLUSH BOX FIRE PROTECTION.



TECHNICAL DATA SHEET

BOSS FlushBox FirePad™

EDITION: 1

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SUITABLE FOR 1 AND 2 HOUR FIRE RATED WALLS.
TESTED IN ACCORDANCE WITH AS1530.4:2014

Fire rated intumescent pad, for wall mounted
recessed electrical outlets.



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KEYFEATURES

- Simple installation
- Cost effective
- Retrofittable to existing flush boxes
- Already cut to size
- High performance expanding intumescent
- 1 & 2 hour fire rating
- One sided and back to back testing configurations
- Tested to AS1530.4:2014

1. INTRODUCTION

BOSS FlushBox FirePad™ is an intumescent firestop pad engineered to fire rate metal electrical flush boxes within hollow fire-rated wall systems. Designed for power points, GPOs and electrical outlet penetrations, the high-performance intumescent material expands when exposed to fire, sealing the flush box cavity to prevent the passage of flame, smoke and hot gases through the wall.

Suitable for installation on one or both sides of the wall, it helps maintain the required fire resistance level (FRL) of the system. Tested to AS 1530.4:2014, it delivers a compliant, reliable and easy-to-install firestopping solution for commercial and residential applications.

2. FEATURES AND BENEFITS

- Tested one sided installation configurations
- Tested back to back installation configurations
- Simple and fast install
- Retrofittable to existing metal electrical flush boxes
- High performance expanding intumescent
- Low profile slim design – 4mm
- Cost effective
- 1 & 2 hour fire rating



3. SPECIFICATION

Suitable for both single and double layer lightweight fire-rated plasterboard and concrete or masonry walls that offer 1 hour and 2 hour fire ratings.

Length (nominal)	70 mm
Width (nominal)	40 mm
Thickness (nominal)	4 mm
Denisty	1.3kg/m ³
Volume Expansion at 450°C	Approximately 25 times



4. PERFORMANCE

FlushBox FirePads™ have been tested in accordance with AS1530.4:2014 to achieve an FRL of up to -/60/60 and -/120/120 in appropriately constructed fire rated plasterboard walls. Permissible variations within the standard allow for these to be applied to concrete and masonry walls too.

For specific information refer to below summary information, and read and understand the relevant test report before specification and installation of the product. For more information contact our technical services team.

Australian Standards – AS 1530.4 – 2014				
Metal GPO Flush Box	A metal flush box was installed in the plasterboard wall system on the exposed side	BOSS FlushBox FirePad™ was fitted into the back face of the metal electrical GPO flush box.	-/60/45	FTR 148597
	A metal flush box was installed in the plasterboard wall system on the unexposed side.		-/60/60	FTR 148597
	wo metal flush boxes were installed in the plasterboard wall system on both the exposed and unexposed sides, back to back.		-/60/60	FTR 148597
	A metal flush box was installed in the plasterboard wall system on the exposed side.		-/120/90	FRT 180472.2 RIR
	A metal flush box was installed in the plasterboard wall system on the unexposed side		-/120/120	FRT 180472.2 RIR

5. EASY INSTALLATION ON PLASTERBOARD WALL

1. Metal GPO wall flush box installed as per the manufacturer's requirements.
2. Peel the cover of the adhesive tape on the back side of the BOSS FlushBox FirePad™ and fit the BOSS FlushBox FirePad™ in the GPO flush box directly against the back of the box.
3. Complete electrical wiring and fit the front cover plate.

6. EXPOSED VS UNEXPOSED

In fire resistance testing according to AS 1530.4, the term “exposed side” refers to the surface of the element that is directly subjected to fire, while the “unexposed side” is the opposite surface that is not in direct contact with the flames. The exposed side experiences significantly higher temperatures, while the unexposed side is evaluated for integrity and insulation criteria (FRL/FRR). It is important to note that when testing one-sided service penetrations, both sides must be tested.

Exposed Side (Fire Side)		Unexposed Side (Non-Fire Side)		Back to Back	
	The “ exposed side ” of the test is the internal furnace side, directly facing the fire during the test.		The “ unexposed side ” of the test refers to the side that is outside the furnace and not directly exposed to the fire during the test duration.		Refers to flush boxes that have been tested directly in line with one another on each side of the wall.

7. HEALTH AND SAFETY

To learn more about the safe handling of FlushBox FirePad™, see the Safety Data Sheet available at bossfire.com

8. IS THIS PUBLICATION CURRENT?

This document may be superseded by new versions. If you are unsure of whether or not this document is a current publication, please contact us. AU: 1300 502 677 NZ: 0800 502 677 Int: +61 2 9524 4040 Email: info@bossfire.com

9. LIMITATION

BOSS Passive Fire Pty Ltd has provided the above technical information in good faith and to the best of its knowledge. This information was deemed to be correct at the time of publication. Should any data come to BOSS Passive Fire's attention relating to the fire resistance or performance of the product described BOSS Passive Fire reserve the right to amend this report.

BOSS Passive Fire strive to constantly improve and develop products so this information may change without notice. The information contained herein has been developed as a guide only and it does not constitute a guarantee of compliance of all applications. Each project and/or application may have specific requirements and you should investigate these carefully. Ensure that you have read and understood the appropriate certification relative to your needs, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. For updates on the range of BOSS Fire® certification, please contact BOSS Technical Services. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com



Further Information

For additional technical information on the performance of **BOSS FlushBox FirePad™**, other **BOSS Fire®** products or any other BOSS Fire® related information please contact us on:



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