

HIDDEN PROTECTION. PROVEN PERFORMANCE.



TECHNICAL DATA SHEET

BOSS PuttyPads™

EDITION: 1

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TESTED TO EN 1366-3:2021

Pre-cut fire and acoustic mouldable putty
protection for electrical flush boxes.



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KEY BENEFITS

- Pre-cut, ready to fold straight from the box
- Reinstates fire resistance up to FRL -/180/- and -/120/120 depending on wall and electrical flush box configuration
- Improves acoustic isolation up to Rw70
- No primer required on most substrates
- Improves acoustic performance as well as fire resistance
- Simple fold-and-press install, easy to inspect and certify
- Rated for cable penetrations up to $\varnothing 14\text{mm}$



1. INTRODUCTION

BOSS PuttyPad™ is a pre-cut fire resistant putty lining designed for fast, repeatable application inside electrical flush boxes where fire resistance and acoustics must be reinstated through a wall.

The pad folds into the shape of the Electrical Flush Box and presses in around the corners to line every internal face, holding a minimum 3mm thickness once installed. Under fire conditions the product maintains its bond to the substrate, with integrity and insulation maintained by the stability of the remaining char.

Performance is supported by testing to EN 1366-3:2021. BOSS PuttyPad™ also improves acoustic performance where electrical flush boxes are a weak point for sound transfer.

Ideal for electricians, passive fire applicators and maintenance personnel working on new and existing builds.

2. PRODUCT APPLICATIONS & ADVANTAGES

- Single & Double gang plastic and metal electrical flush boxes
- Reinstates fire resistance through flexible stud walls
- Improves acoustic performance of electrical flush box penetrations
- Cable penetrations up to $\varnothing 14\text{mm}$ through the sealed flush box
- Suitable for offset or abutting (back-to-back) flush box installations
- No primer required on most common substrates
- Suitable for new and existing builds
- Simple fold-and-press installation method
- No ancillary materials required

3. PHYSICAL PROPERTIES

Description	Fire Resistant and Acoustic Putty Pad
Size	Width: 160-170mm Length: 225-235mm Thickness: 3mm
Weight	167.5-204.8g/cm ³
Colour	Green
Box Quantity	22
Shelf Life	18 months if stored in accordance with storage conditions
Testing	EN 1366-3:2021

4. INSTALLATION & OPERATION

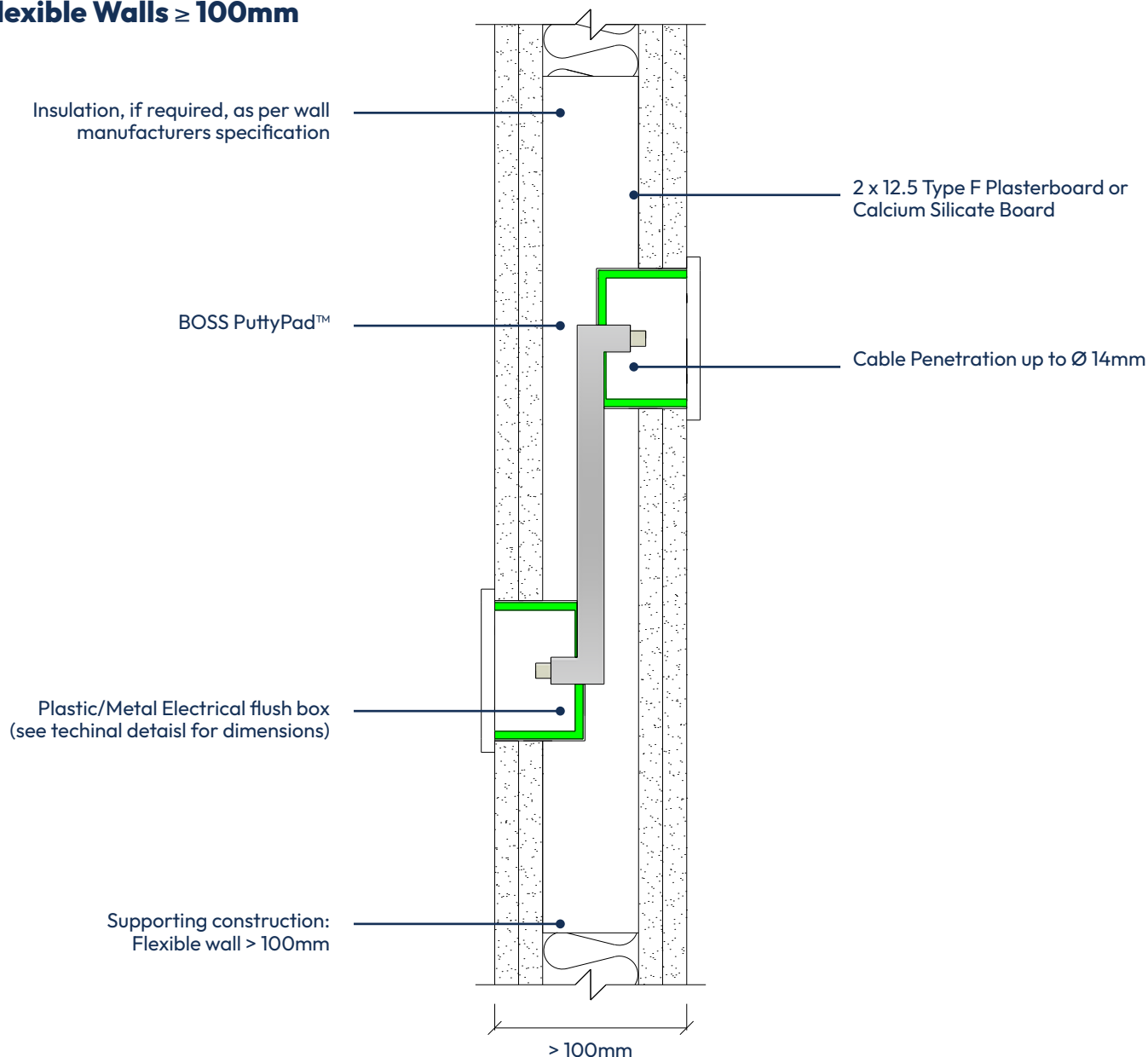
- Ensure the aperture and services in question are within the scope of the tested BOSS PuttyPad™ system
- The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles
- Aperture temperature must be 5°C or above at time of installation
- Fold BOSS PuttyPad™ into the shape of the box, pressing the edges together
- Press in and around the box and seal up firmly, working into every corner to ensure complete coverage
- Maintain a minimum nominal thickness of 3mm around all internal faces of the electrical flush box
- For internal application, trim back around the box and ensure an air tight seal around any cables before fitting the face of the socket
- Ensure face plates are fixed to electrical electrical flush boxes upon completion of installation, as per the manufacturer's guidelines
- Competence records should be kept for all individuals installing this product

5. COMMON APPLICATIONS

- Single and double gang plastic electrical flush boxes
- Single and double gang metal electrical flush boxes
- CAT6 and other data cables through electrical flush boxes
- TPS and other power cables through electrical flush boxes
- Offset or abutting electrical flush box arrangements in flexible stud walls

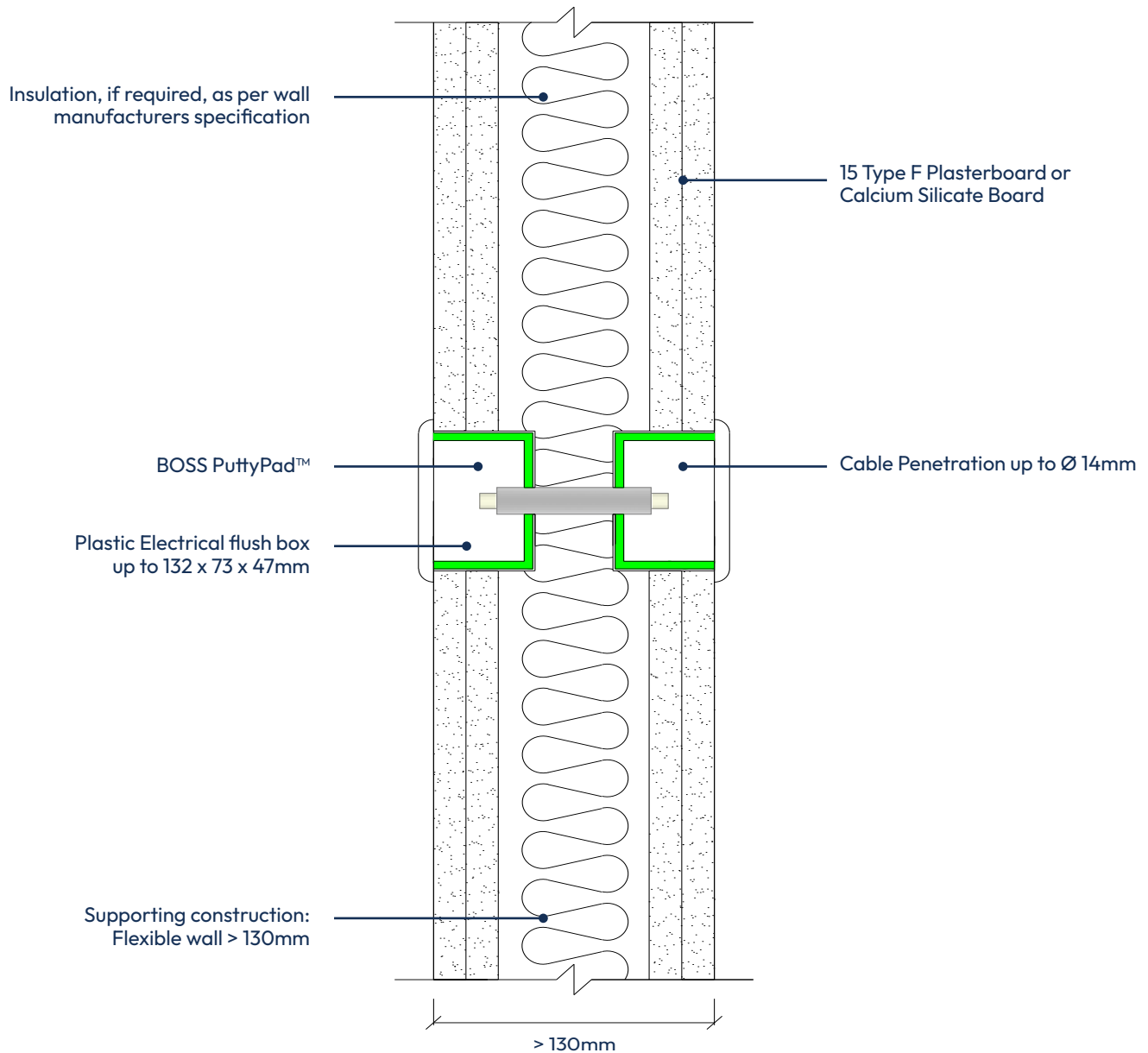
6. INSTALLATION DIAGRAMS

6.1 Offset Installation – Flexible Walls $\geq 100\text{mm}$



Detail	Value
Test Standard	EN 1366-3:2021
Supporting Construction	Flexible walls $\geq 100\text{mm}$
Plastic Back Box (133 x 73 x 47mm)	FLR -/90/90
Metal Back Box (132 x 72 x 47mm)	FRL -/180/-,-/120/120
Minimum Separation Between Penetration Services	100mm
Cable Penetrations	Up to $\varnothing 14\text{mm}$

6.2 Abutting (Back-to-Back) Installation – Flexible Walls $\geq 130\text{mm}$



Detail	Value
Test Standard	EN 1366-3:2021
Supporting Construction	Flexible walls $\geq 130\text{mm}$
Metal Back Box (132 x 72 x 47mm)	FRL -/120/-,-/90/90
Minimum Separation Between Electrical flush boxes	0mm
Cable Penetrations	Up to Ø 14mm
Note	Metal back boxes can be recessed up to 5mm into the substrate

7. PERFORMANCE SPECIFICATIONS

BOSS PuttyPad™ is tested to EN 1366-3:2021 for fire resistance performance in electrical flush box penetrations, as summarised in section 6. For more information on the product applications, or access to test and assessment reports, please contact the BOSS Fire Technical team.



IMPORTANT: In order to ensure performance and compliance, passive firestopping products must be installed in accordance with the test evidence, manufacturer's specifications or be the subject of a performance solution.

Each project and/or application may have specific requirements and you should investigate these carefully. Ensure that you read and understand the appropriate certification and how it relates to your specific construction details, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. Ensure your installation is carried out in accordance with the test certification, manufacturer's instructions, and in accordance with the relevant local building regulations, National Construction Code or Building Code.

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

8. STORAGE & DISPOSAL

Store **BOSS PuttyPad™** in a cool, dry, well-ventilated area. Store in original packaging between 5°C and 25°C. Storage outside these parameters may reduce shelf life and invalidate product warranties.

9. HEALTH AND SAFETY

To learn more about the safe handling of **PuttyPad™** see the Safety Data Sheet available at bossfire.com

10. 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

11. 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 **PuttyPad™**, other **BOSS Fire®** products or any other BOSS Fire® related information please contact us on:



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