

HIGH DENSITY MINERAL FIBRE FIRE RATED BATT



TECHNICAL DATA SHEET

BOSS Batts™

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APPROVED TO AS1530.4: 2014 & AS4072.1-2005

High density coated mineral fibre board used for fire containment and service penetrations.



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KEY BENEFITS

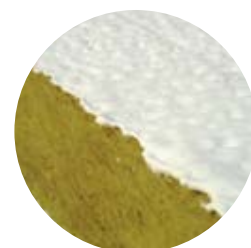
- Low cost & highly efficient method of fire stopping
- Provides up to a -/240/180 FRL
- Long life and easy storage
- Suitable for large openings in floor and walls
- Easily retrofitted around existing services
- Approved in conjunction with a wide range of plumbing, electrical and HVAC services
- Up to Rw50 sound reduction
- Used in conjunction with many other firestopping products in the BOSS range

1. INTRODUCTION

BOSS Batts™ are designed to provide simple and effective compartmentalisation and fire stopping in walls and floors.

BOSS Batts™ consist of high-density mineral fibre batt with an ablative fire resistant coating which can be used in conjunction with other high performance BOSS fire protection products to provide excellent integrity, thermal and acoustic insulation. The **BOSS Batts™** prevent the passage of fire between compartment walls and floors whilst still allowing the insulation of services. **BOSS Batts™** offer undoubtedly a cost-effective and simplest solution to cavity barriers, sealing wall and floor penetrations for up to FRL -/240/180.

They are a lightweight mineral fibre board that can be easily cut to size on site for simple friction fit applications. Simply push it in to place to fit the aperture and seal the perimeter with FireMastic-300™ fire rated sealant or our specially designed Ablative Coating for bonding Batts to Substrates. For higher insulation performance on services the addition of BOSS products such as P40-MAK Wrap or Thermal Defence Wrap may be used.



2. APPLICATIONS

BOSS Batts™ are suitable for use in any building which has single or multiple services penetrating fire rated compartment walls and floors. Typical installations are:

- Apartments and Residential
- Retail stores and shopping centres
- Commercial buildings
- Telecommunications & Data Centres
- Power stations
- Factories and industrial applications
- Office fit-outs

3. PHYSICAL SPECIFICATION

Approvals:	AS1530.4: 2014 & AS4072.1-2005
Areas of use:	Internal
Description:	FR Mineral Fibre batt Density: 140-160kg/3 Thickness: 50mm Coating: FR acrylic Ablative Coating 1mm nominal wet film, both sides
Dimensions:	1200mm x 600mm x 50mm
Fire Integrity:	Up to 4 hours
Insulation:	Up to 120 mins

4. PERFORMANCE SPECIFICATION

BOSS Batts™ has a wide variety of approvals including AS1530.4: 2014 & AS4072.1-2005. Approved applications include firestopping blank openings, linear gap seals a wide variety of service penetrations from plumbing, electrical and HVAC trades. BOSS Batts™ are most commonly used as a system in conjunction with a suite of BOSS Fire products such as FireMastic-300™, P40-MAK Wrap, MaxiCollars™, UniWrap™, BOSS Fire® Transit Box, FireSilicone-EMA™ & Thermal Defence Wrap.



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

5. BOSS FIRE SYSTEM MATRIX

For specific summary information on the approved systems relevant to **BOSS Batts™** please refer to the **BOSS Fire System Matrix**. The **BOSS Fire System Matrix** is a filterable summary document containing information to help select the appropriate system relevant to your building application. Associated Test and Assessment Reports are also available for download from the Resources page at bossfire.com/resources.



6. FIXING AND FASTENING

Where BOSS Batts™ are to be fixed together or to substrates, FireMastic-300™ sealant can be used to act as a binding agent and also provides fire rating to the seal. BOSS Ablative Coating (Trowel Grade) is also ideal for such applications, and both sides to be joined can be coated to form a strong and durable bind. Ablative Coating is available in 5kg pails.

For additional support, batts can be overlaid with each other using a 100mm wide strip of BOSS Batt to shutter across the joint. "Pig-Tail" fasteners can also be used to join batts together as they provide a wide-rim fixing that prevents pull-through.

BOSS Batt can also be fixed to substrates using large washers with an appropriate fixing relevant to the proposed substrate.

Always ensure that the fixing method and proposed position of the BOSS Batt is in accordance with the certified system.

For copies of the certification please contact BOSS technical services. **AU: 1300 502 677 NZ: 0800 502 677 Int: +61 2 9524 4040 Email: info@bossfire.com**



7. INSTALLATION – GUIDE ONLY

PREPARATION:

1. Ensure that you have read and understood the product certification and that your proposed application is in accordance with the approved certification.
2. Remove dust, debris and unnecessary combustible materials from openings. Use a dust pan and brush, sweep all loose products and debris from the inner surface of the opening and surrounding area. Place a sheet beneath the working area to catch any falling materials.
3. Unless the system is approved with insulation lagging with the service, remove the insulation lagging to ensure a good seal with the BOSS Batt system in accordance with the approved system.

INSTALLATION:

Wear protection gloves and safety glasses to avoid skin and eye contact.

4. Cut BOSS Batt to suit the opening. Where fixing to a wall or substrate ensure overlap of Batt to wall or floor system is in accordance with the tested system. Measure the size of the opening, relevant position and size of the services. Mask all surfaces where necessary to ensure the aesthetics of the ablative coating. Draw these details onto the BOSS Batt and cut out using a saw or bread knife or Stanley knife.
5. Apply FireMastic-300™ sealant or BOSS Ablative Coating to all cut surfaces of BOSS Batt ensuring all exposed mineral fibres are covered with a 1mm thick wet coating. Also apply to the mating substrate areas of contact around the opening and services.
6. Assemble batt into the opening, ensuring the specific orientation is in accordance with the approved system. Some options include friction fitting, or fitting to the substrate overlapping edges of substrate or using bracket system where required. For friction fitment cut the BOSS Batt into the opening, ensuring a tight friction fit. Push the Batt firmly in to the opening using the flat of the hand or lightly tapping with a rubber mallet.
7. Continue the above procedure to fill the opening ensuring that a layer of Ablative Coating or FireMastic-300™ is applied to all areas of contact between the Batts. The seal should be made up from as few pieces of Batt as practicable. Any small gaps in the seal left when all cut pieces have been installed should be tightly packed with off-cuts and covered with FireMastic-300™. A layer of Bulkhead Sealant should be applied to all joint lines formed by piecing the seal together.
8. For external fitment to slabs ensure using the appropriate mechanical fixing in accordance with the approved system to the substrate in conjunction with large mud flap washer or penny washer to stop fixing pulling through into the Batt.
9. To complete the installation a small bead of FireMastic-300™ Sealant should be applied around the extremities of the opening and services. Whatever the edges of the seal line with the wall / floor surface, the bead of sealant should be smoothed to overlap the wall / floor surface by approximately 5mm.
10. Remove any masking and dispose of waste materials. When a fire seal is built up as outlined above the joints must be offset.
11. Apply other firestopping products as per the approved system. Example P40-MAK Wrap or MaxiCollars™.
12. Maintain record of installation and label accordingly.

Always ensure that the fixing method and proposed position of the BOSS Batt is in accordance with the certified system.

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Email: info@bossfire.com.

8. HEALTH AND SAFETY

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

9. 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

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



AU: 1300 502 677
NZ: 0800 502 677



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www.bossfire.com

