

Fire-Rated Bulkhead Batt

High density mineral fibre board for the containment of fire and smoke
Approved to AS1530.4(2005)



Technical Data Sheet

ADDRESS

Unit 8 / 15-23 Kumulla Road
Caringbah NSW 2229, AUSTRALIA

MAILING ADDRESS

PO Box 707, Caringbah NSW 1495, AUSTRALIA

INTERNATIONAL CALLERS

+612 9531 8591

PHONE

1300 50 BOSS

FAX

1300 60 BOSS

EMAIL

info@bossfire.com.au

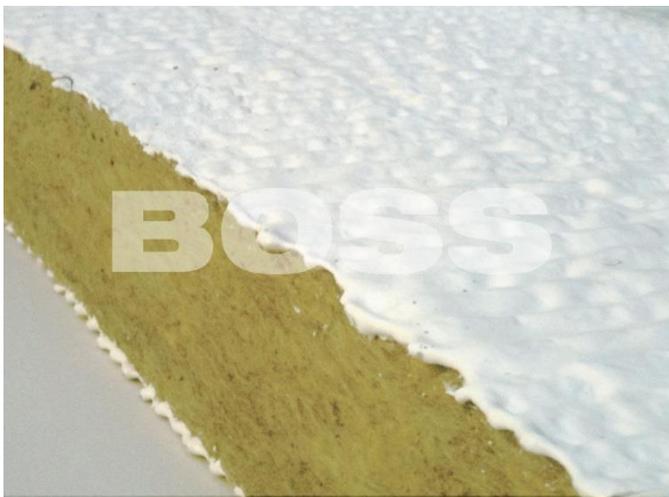
WEB

www.bossfire.com.au

KEY BENEFITS

- Up to 56.1dB sound reduction
- Low cost & highly efficient method of fire stopping
- Provides up to 4 hours fire and smoke barrier
- Long life and easy storage
- Suitable for large openings in floor and walls
- Approved to AS1530.4(2005)

INTRODUCTION



BOSS Fire’s Bulkhead Batt is designed to provide simple and effective compartmentalisation and fire stopping in walls and floors.

It consists of high-density mineral fibre batt with an ablatively fire resistant coating which can be used in conjunction with other high performance BOSS fire protection products to provide excellent thermal and acoustic insulation. The Bulkhead Batt prevents the passage of fire and smoke between compartment walls and floors whilst still allowing the insulation of services.

At normal temperatures, the Bulkhead Batt installed with FireMastic-300® fire rated sealant remains flexible enough to permit thermal and mechanical movement of services. Both products are unaffected by oil, fungus, moisture and contain no halogens or asbestos.

ADVANTAGES

- Up to 56.1dB sound reduction
- Low cost & highly efficient method of fire stopping
- Provides up to 4 hours fire and smoke barrier
- Long life and easy storage
- Suitable for large openings in floors and walls
- One of the most simple and cost effective method of fire stopping

PHYSICAL SPECIFICATION

Manufactured under ISO9001:2008

Approved to AS1530.4:2005 and EN1366.3

Dimensions:	1200mm x 600mm x 50mm
Density:	160kg/m ³
Coating:	1mm nominal ablatively coating
Fire Resistance:	Up to 4 hours
Insulation:	Up to 120 mins

APPLICATIONS

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

Typical installations are:

- Retail stores and shopping centres
- Commercial buildings
- Telecommunications
- Power stations
- Factories and industrial applications
- Office fit-outs

PERFORMANCE SPECIFICATIONS

BOSS Bulkhead Batts are approved to AS1530.4:2005 Report No FAR3823, offering up to -/240/90 FRL; and Report No FAR3921 to -/120/120 FRL. They also carry approvals for EN1366 and BS476. Bulkhead Batts remain one of the simplest and most cost-effective fire stopping methods available.



INSTALLATION METHODS

Preparation:

1. Ensure that all service penetrations are complete to minimum relevant installation standards.
2. Remove all 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.
3. Place a plastic sheet beneath work areas to catch any falling materials.
4. Remove any insulation lagging from air ventilation ducts and pipes to ensure a good seal with the Bulkhead Batt system.

Installation:

Use rubber gloves and protection to avoid skin and eye contact.

1. Cut Bulkhead Batt to suit the opening.
2. Apply FireMastic-300 sealant or BOSS Ablative Coating to the cut surface and the mating substrate.
3. Assemble batt into the opening, using 'Z' bracket in slab edge detail where required.
4. Apply FireMastic-300 Sealant to close any visible opening or gaps.
5. Maintain record of installation and label accordingly.
6. Further installation data can be found by contacting BOSS Fire & Safety at bossfire.com.au

PERFORMANCE CRITERIA

Bulkhead Batt Without Penetrations – Vertical

Batt Configuration	Size (mm)	FRL (minutes)
1 x 50mm	1200 x 1200	-/120/60
2 x 50mm	1200 x 2400	-/120/90
2 x 50mm	600 x 1000	-/240/90
1 x 50mm	Linear Gaps 200mm	-/120/120

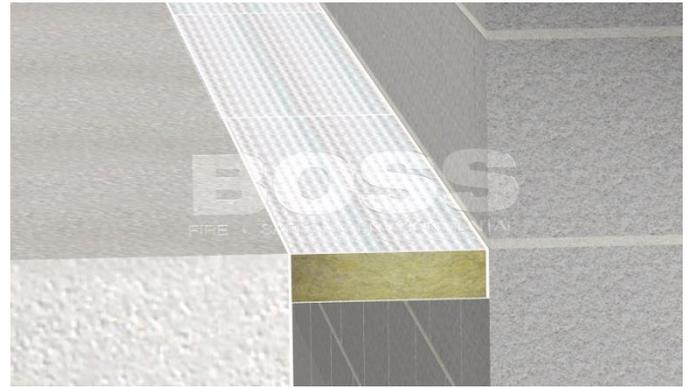
Bulkhead Batt With Penetrations – 1 x 50mm batt Up to 1.2m x 2.4m Penetration

Penetration	Max Penetration Size	Max FRL
Steel Damper	600 x 600	-/120/-
Cable Tray	400 x 100	-/120/-
Cable Tray	300 x 25	-/120/30
Steel Pipe	Up to 60mm OD	-/120/-

Bulkhead Batt With Penetrations – 2 x 50mm batt Up to 1.2m x 2.4m Penetration

Penetration	Max Penetration Size	Max FRL
Steel Damper	600 x 600	-/120/-
Cable Tray	400 x 100	-/120/-
Cable Tray	340 x 100	-/240/60
Steel Pipe	Up to 60mm OD	-/120/30

See Test Report for more information and cable detail, and the impact of horizontal installations on FRL performance.



LOOSE CABLES AND CONDUITS

Where possible, loose cables and conduits should be drawn together and tied after a liberal application of FireMastic-300 has been applied.

If using cable trunking, it is necessary to fill the void inside the trunking prior to the installation of the Bulkhead Batt around the trunking. Remove the trunking lid, lift the cables out and apply a generous amount of FireMastic-300 sealant and bed the cables into the sealant.

If only a few cables exist inside the trunking it would be necessary to install the Batt inside the trunking.

Replace the lid and continue to install seal around the outside of the trunking.

FIXING AND FASTENING

Where Bulkhead 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 pails from BOSS Fire & Safety.

For additional support, batts can be overlaid with each other using a 100mm wide strip of Bulkhead 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.

ADDITIONAL PERFORMANCE

In the **BOSS Thermal Defence System** which incorporates Bulkhead Batt and BOSS S-Line Pillows and Thermal Defence Wrap, an **FRL of -/120/120** can be achieved on both **Seal surface and the Penetrating Service**.

See Thermal Defence data sheet for more information.

HEALTH AND SAFETY

To learn more about the safe handling of Fire-Rated Bulkhead Batt, see the Material Safety Data Sheet available at www.bossfire.com.au.

LIMITATION

BOSS Fire & Safety 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 Fire & Safety's attention relating to the fire resistance or performance of the product described, BOSS Fire & Safety reserve the right to amend this report.

BOSS Fire & Safety strive to constantly improve and develop products so this information may change without notice.

FURTHER TECHNICAL INFORMATION

For additional technical information on the performance of Fire-Rated Bulkhead Batt or other BOSS products please contact our Technical Services team on:

Phone 1300 502 677

Fax 1300 602 677

Direct +612 9531 8591

Email info@bossfire.com.au

Web www.bossfire.com.au