

# Ablative Coating

*A fire-rated coating for sealing of BOSS Batts*  
*Approved to AS1530.4:2014 and AS4072.1-2005*



## *Technical Data Sheet*

*Edition 2*

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## KEY BENEFITS

- Life expectancy of over 25 years
- Can be spray, brush or trowel applied
- Suitable for indoor use without additional environmental protection
- Fire Resistant testing to AS1530.4:2014 with BOSS Batts for up to 240mins
- Approved in block wall, concrete, masonry, plasterboard partitions, permanent polymer formwork, Speedpanel and concrete floor slabs

### 1. INTRODUCTION



Ablative Coating has been developed to seal Bulkhead Batts once installed in aperture. Once the ablative coating is applied it prevents the passage of fire and smoke between fire rated compartments giving up to FRL -/240/180 with BOSS Batts to AS1530.4:2014 and AS4072.1-2005.

Ablative Coating is a water based acrylic coating, having excellent fire and electrometric properties. At normal temperatures, it remains flexible to permit thermal and mechanical movement of the services. The product is unaffected by oil, fungus, moisture, vermin, contain no halogens or asbestos and contains no VOCs.

### 2. KEY FEATURES

- ✓ Fire Resistant testing to AS1530.4 up to FRL -/240/180 with BOSS Batts.
- ✓ Simple method of fire rating
- ✓ Tested in Block Wall, Concrete, Masonry, Plasterboard Partition, Composite Panel, and Speed Panel.
- ✓ Tested in Concrete Floors.
- ✓ Air Permeability testing to 600Pa.
- ✓ Acoustic Isolation testing to 63dB.
- ✓ Can be spray, brush or trowel applied.
- ✓ Suitable for indoor use without additional environmental protection.
- ✓ Remains flexible between -5<sup>0</sup>C to +70<sup>0</sup>C.
- ✓ Easy to use fibre free coating.
- ✓ Life expectancy of over 25 years.
- ✓ Suitable for large openings in walls and floors with additional supports.
- ✓ Flexible and water resistant.
- ✓ Halogen free, resists fungi and vermin.

### 3. SPECIFICATION

Description	Water based flexible acrylic coating
Colour	White
Specific Gravity	1.2 – 1.3 g/cm <sup>3</sup>
Cure Rate	0.5mm per day at 50% relative humidity 23°C
Tack Free	6hrs at 23°C, 50% RH
Application Temperature	+0°C to +30°C
Coating Thickness	2.5mm Nominal, wet coating thickness
Sealant Coverage	2.8kg/m <sup>2</sup> , 2.24L/m <sup>2</sup>
Fire Resistance	Up to -/240/180 with BOSS Batts
LOI	26.7 ISO 4589-2:1996
Acoustic Isolation	49dB when installed with 50mm Bulkhead Batt. 63dB when installed with 2 x 50mm Bulkhead Batts.
Container Size	5kg, 10kg
Shelf Life	18 Months

### 4. PERFORMANCE SPECIFICATIONS

Ablative Coating is approved to AS1530.4-2014, and AS4072.1-2005 with BOSS Batts for up to FRL -/240/180.

**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. +612 9531 8591 OR [info@bossfire.com.au](mailto:info@bossfire.com.au)

### 5. BOSS FIRE SYSTEM MATRIX

For specific summary information on the approved systems relevant to Ablative Coating & 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.au/resources](http://bossfire.com.au/resources).

## 6. INSTALLATION

Installation details and technical support are available from Boss Fire Technical Service team on 1300 502 677.

- Use rubber gloves and eye protection to avoid skin and eye contact.
- Apply mineral wool to opening.
- To install Bulkhead Batts, please see relevant Installation Manual/Guide data sheet.
- Apply coating to all cut edges and joints. Can be applied via spray, brush or trowel application.
- Seal all service installations as required passing through the batt.
- Maintain record of installation.

Ensure lid is replaced on the container after use.

For further information, please refer to BOSS Batts installation information.

## 7. COMPLIANCE

Boss Fire Ablative Coating is manufactured in the EU, meeting the highest quality standard in compliance to ISO EN 9001. For fire test certification contact Boss Fire Technical Service Team on 1300 502 677.

## 8. STORAGE AND DISPOSAL

For long term storage and ease of installation it is recommended that it should be stored indoors, in dry conditions. Storage temperature between -5°C and +25°C.

Sealant shelf life 24 month from date of manufacture.

## 9. HEALTH AND SAFETY

To learn more about the safe handling of Ablative Coating, see the Safety Data Sheet available at [www.bossfire.com.au](http://www.bossfire.com.au).

## 10. ENVIRONMENT

Boss Fire contribute to Green Building by having a manufacturing policy of 100% recycle and 0% landfill for all products. Boss Fire Ablative Coating contributes to a Green Building:

- Low VOC (air quality)
- No Power Tools required for installation (no energy source required)
- Dust free
- Low Ozone Depletion Potential (ODP)
- Low Global Warming Potential (GWP)
- No water pollution
- Smoke and Air Tightness
- Noise Reduction
- Thermal Insulation
- Recycling of Packaging
- Avoidance of Air Filtration
- Does not emit halogenated by-products
- Contains no raw materials known to have an estrogenic effect
- The life cycle of Ablative Coating is over 25 years.

## 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 on +61 2 9531 8591.

## 12. FURTHER TECHNICAL INFORMATION

For additional technical information on the performance of Ablative Coating or other BOSS products please contact our Technical Services team on:

**AU:**

1300 502 677

Bossfire.com.au

**NZ:**

0800 502 677

Bossfire.co.nz

**Admin:**

+612 9531 8591

info@bossfire.com.au

Unit 1, 16 Atkinson Rd Taren Point NSW 2229 AUSTRALIA