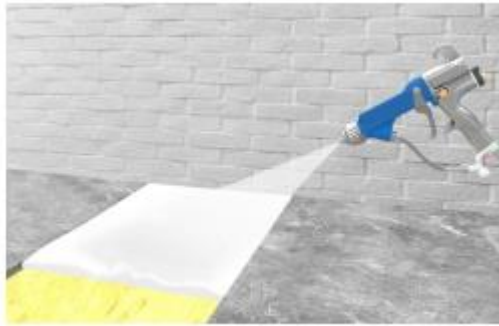


FlexiCoat-MAK

Fire resistant, highly flexible, water-based, ablative acrylic coating fire rated to -/240/180 with Flexi-Batt



Technical Data Sheet

Edition 2

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Fire resistant, highly flexible, water-based, ablative acrylic coating

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KEY BENEFITS

- Highly flexible penetration seal
- 50% movement once cured
- Provides up to a -/240/180 FRL
- Fire Resistance testing up to 4hours integrity
- Certificate 3rd Party Accreditation
- Acoustic Isolation to 52dB
- Air Permeability testing to 600Pa

1. INTRODUCTION

FlexiCoat-MAK has been developed for use with BOSS Flexi-Batt, a flexible rockwool based product. Once the FlexiCoat-MAK is applied it prevents the passage of fire, smoke & sound between fire rated compartments giving a fire resistance of up to FRL -/240/180. FlexiCoat-MAK has also achieved 600Pa air and 450Pa water permeability resistance. It can be installed into voids/cavities up to 500mm wide.

FlexiCoat-MAK is a water-based elastomeric acrylic coating, having excellent fire, water, air permeability and elastomeric properties offering up to 50% movement. Ideal for spray, trowel, brush and pouring applications. FlexiCoat-MAK should be used in conjunction with BOSS Flexi-Batt. At normal temperatures, FlexiCoat-MAK remains highly flexible to permit thermal and mechanical movement of services and the building structure. The product is unaffected by oil, fungus & contains no halogens or asbestos & offers low VOC's.



2. ADVANTAGES

- Fire resistance testing up to to -/240/180
- Certified 3rd Party Accreditation
- Acoustic Isolation to 52dB
- Air Permeability testing to 600Pa
- Water Permeability testing to 450Pa
- VOC Tested ASTM D2369-10, LEED 2009- EQ041 SCAQMD
- Tested with Metallic Pipes, Cable, Cable Bunches, Cable Trays and Cable Ladders
- Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components
- Contributes to Green Building
- Joint movement capability of +/- 50% at -100C to +950C
- Dynamic movement testing 500 cycles per 30 minutes
- Highly flexible and water resistant
- Halogen free, resists fungi and vermin
- Can be spray, brush, pour or trowel applied
- Ideal for slab edge applications, head of wall and movement installations
- Suitable for voids up to 500mm wide
- Install on base of Flexi-Batt

3. PHYSICAL SPECIFICATION

Description	Water based flexible acrylic coating
Colour	White
Specific Gravity	1.2 – 1.35 g/cm ³
Cure Rate	0.5mm per day at 50% relative humidity 230C
Tack Free	6hrs at 230C, 50% RH
Application Temperature	+0°C to +30°C
Coating Thickness	2.5mm Nominal, wet coating thickness
Coverage	2.8kg/m ² , 2.24L/m ²
Fire Resistance	Up to -/240/180 with Flexi-Batt
Insulation	Up to 180mins with Flexi-Batt
Air Permeability	600Pa – 100Pa 0.4/1.5 m ³ /h/m ²
Water Permeability	450Pa – No Leakage

4. PERFORMANCE SPECIFICATIONS

FlexiCoat-MAK with Flexi-Batt has extensive fire test approvals including AS1530.4-2014 and AS4072.1-2005 offering 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

5. BOSS FIRE SYSTEM MATRIX

For specific summary information on the approved systems relevant to FlexiCoat-MAK™ & Flexi-Batt™ 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.

6. INSTALLATION

Installation details and technical supports are available from Boss Fire Technical Team on 1300 502 677

1. Use rubber gloves and eye protection to avoid skin and eye contact.
2. Apply Flexi-Batt to opening, 100mm thick.
3. Apply **FlexiCoat-MAK** via spray, brush, pour or trowel application.
4. If over 250mm wide install a bracket
5. Maintain record of installation

For further information contact the Boss Fire Technical Team on 1300 502 677.

7. COMPLIANCE

FlexiCoat-MAK is manufactured in the EU, meeting the highest quality standard in compliance to ISO EN 9001. For fire test certification contact Boss Fire Technical 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 -50CC and +250C. For health and safety details contact Boss Fire Technical Team on 1300 502 677.

9. ENVIRONMENT

FlexiCoat-MAK contributes to a Green Building:

- Low VOC (air quality) and Dust free
- No Power Tools required for installation (no energy source required)
- Low Ozone Depletion Potential (ODP)
- Low Global Warming Potential (GWP)
- No water pollution
- Water Tightness, Smoke and Air Tightness
- Noise Reduction and Thermal Insulation
- Avoidance of Air Filtration
- Recycling of Packaging
- Contains no raw materials known to have an estrogenic effect.
- The life cycle of **FlexiCoat-MAK** is over 25 years

10. APPLICATIONS

BOSS Flexi-Batt and FlexiCoat-MAK is suitable for use in any building which needs compartmentalisation in form of fire rated cavity barriers, liner gaps seals or services penetrating fire rated compartment walls and floors.

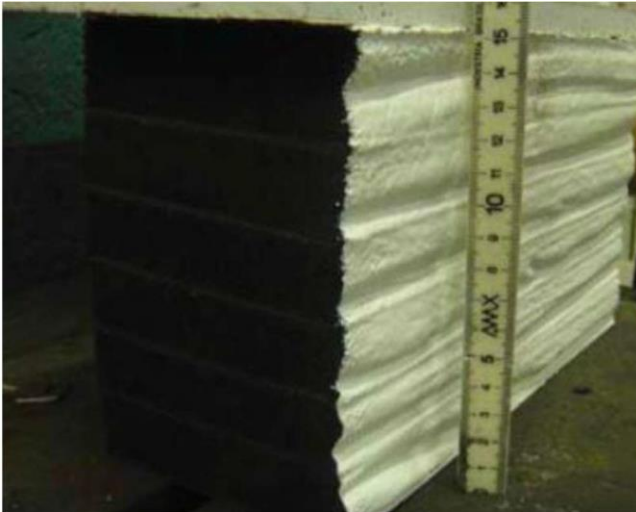
Typical installations are:

- Linear Gaps Seals
- Cavity Barriers
- Cable Penetrations
- Pipe Penetrations

11. DYNAMIC MOVEMENT TEST

FlexiCoat-MAK has undertaken dynamic to movement tests in excess of 500 per 30 dynamic mins cycles extending to 150mm and compressing to 80mm.

FlexiCoat-MAK extended to 150mm



After 1000 cycles there was no visible or physical deterioration of the **FlexiCoat-MAK**.

FlexiCoat-MAK compressed to 80mm



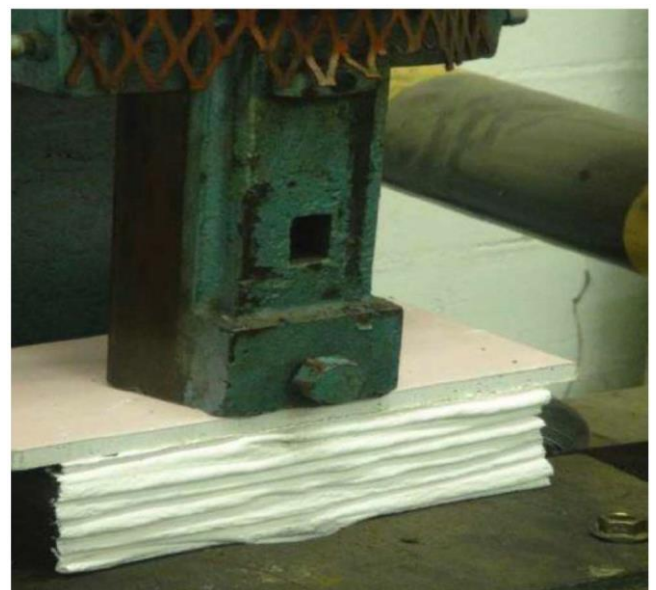
FlexiCoat-MAK@ 2.5mm WFT cured on elastomeric substrate to perform tests.

FlexiCoat-MAK compressed to >100mm



FlexiCoat-MAK under 7 tonne load pressure allowing compression to less than 80mm.

FlexiCoat-MAK compressed to <80mm



12. HEALTH AND SAFETY

To learn more about the safe handling of BOSS Flexi-Batt, contact BOSS Fire on info@bossfire.com, 1300 502 677 or +61 2 9531 8591.

13. IS THIS PUBLICATION CURRENT?

This document may be superseded by new versions. If you are unsure of whether this document is a current publication, please call us on +61 2 9531 8591 to confirm.

14. 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.

15. 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:

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1300 502 677

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