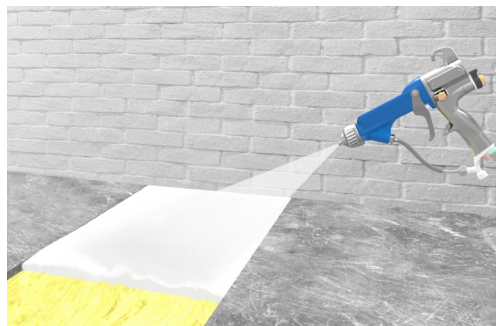


FlexiCoat-MAK

Fire resistant, highly flexible, water-based, ablative acrylic coating
Fire rated to -/120/120



Technical Data Sheet



KEY BENEFITS

- Highly flexible penetration seal
- 50% movement once cured
- Fire resistance testing to 2 hrs in multiple international standards
- Certifire 3rd Party Accreditation
- Acoustic Isolation to 52dB
- Air Permeability testing to 600Pa
- See MORE advantages below

INTRODUCTION



FlexiCoat-MAK has been developed for use on rockwool or elastomeric base. Once the **FlexiCoat-MAK** is applied it prevents the passage of fire, smoke and sound between fire rated compartments giving a fire resistance tested to -/120/120. **FlexiCoat-MAK** has also achieved 600Pa air permeability resistance testing and 450Pa water permeability resistance testing. 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. For flexible installations 80kg/m³ rockwool should be used. 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 and contains no halogens, asbestos and contains low VOC's.

ADVANTAGES

- Fire resistance testing to -/120/120
- 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 80kg/m³ stone wall

SPECIFICATION

Description	Water based flexible acrylic coating
Colour	White / Grey / Red (others on request)
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	-/120/120
Insulation	120mins
Air Permeability	600Pa – 100Pa 0.4/1.5 m ³ /h/m ²
Water Permeability	450Pa – No Leakage

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 rockwool to opening, 80kg/m³, 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 see Installation Manual.

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.

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 -50C and +250C. For health and safety details contact Boss Fire Technical Team on 1300 502 677.

Sealant shelf life 12 month from date of manufacture.

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

DYNAMIC MOVEMENT TEST

- **FlexiCoat-MAK** has undertaken dynamic movement tests in excess of 500 per 30 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



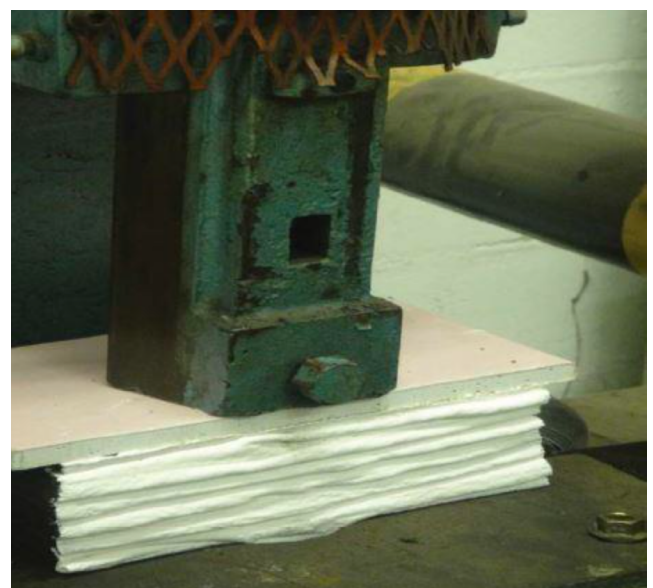
- **FlexiCoat-MAK** @ 2.5mm WFT cured on to elastomeric substrate to perform dynamic tests.

FlexiCoat-MAK compressed to >100mm



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

FlexiCoat-MAK compressed to <80mm



HEALTH AND SAFETY

To learn more about the safe handling of **FlexiCoat-MAK**, 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 **FlexiCoat-MAK** 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	bossfire.com.au