

# BlazeBrake™ Sealant

## Fire Protection Adhesives

**Product Identifier** BLBRGYS, BLBRGYC

### Product description

BlazeBrake™ is a flexible, fire and acoustic rated acrylic sealant, suitable for sealing gaps, joints and penetrations in dry wall partitions, concrete wall and block walls.

### Relevant building code clauses

C3 Fire affecting areas beyond the fire source

F2 Hazardous building materials - F2.3.1

### Contributions to compliance

For C3 Fire affecting areas beyond the fire source refer to the BlazeBrake™ Sealant Test Reports listed in supporting documentation. For F2 Hazardous building materials refer to the BlazeBrake™ Sealant SDS (Safety Data Sheet) listed in supporting documentation.

### Scope of use

BlazeBrake™ Sealant is a flexible, fire and acoustic rated acrylic sealant, suitable for sealing gaps, joints and penetrations in dry wall partitions, concrete wall and block walls. It prevents the spread of flames, smoke and gases through walls and floors or between building compartments. BlazeBrake™ Sealant is approved for use with cable, metal pipe and service penetrations (see fire test reports for specific dimensions and configurations).

### Features and benefits:

- Fire rated to AS 1530.4:2014 for wall & floor penetrations and as a control joint (FC11946-001)
- Acoustic rated
- Flexible and crack resistant
- Joint movement  $\pm 15\%$
- Easy to dispense in cold weather
- Non-toxic, low odour & easy tooling
- Water clean-up and sag resistant
- Not hazardous – no isocyanates, no heavy metals, no solvent and no asbestos
- Low VOC
- Paintable with acrylic coatings and oil-based coatings after 24 hours at 20°C

### Conditions of use

BlazeBrake™ Sealant should be applied by a skilled professional, within the parameters stated in the specifications on the Ramset™ webpage..

**Supporting documentation** The following additional documentation supports the above statements:

Title (type)	Version	URL
BlazeBrake™ Sealant webpage (Design,Installation)		<a href="https://ramset.co.nz/product/blazebrake-sealant/">https://ramset.co.nz/product/blazebrake-sealant/</a>
BlazeBrake™ SDS (Certification, Test results)		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset_BLBRGYC_SDS_blazebrake_NZ.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/ramset_BLBRGYC_SDS_blazebrake_NZ.pdf</a>
BlazeBrake™ Sealant VOC (Certification, Test results)		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_VOC_Blazebrake-Sealant-VOC-Data-Sheet.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_VOC_Blazebrake-Sealant-VOC-Data-Sheet.pdf</a>
BlazeBrake™ Sealant Fire Assessment Report (Certification, Test results)	FC12496- 001	<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Blazebrake-Sealant-Fire-Assessment-Report-FC12496-001.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Blazebrake-Sealant-Fire-Assessment-Report-FC12496-001.pdf</a>
BRANZ FIRE TEST CERTIFICATE as1530.4-1990 and AS4072.1-1992 (Certification, Test results)	439	<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Blazebrake-Sealant-Fire-Test-Certificates.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Blazebrake-Sealant-Fire-Test-Certificates.pdf</a>
Branz FC13490-001-cl issue 1 certificate (Certification, Test results)		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Ramset_BlazeBrake-Sealant-Fire-Test-Certificate-FC13490-001.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Ramset_BlazeBrake-Sealant-Fire-Test-Certificate-FC13490-001.pdf</a>
FP3698 Fire Test Report	Ft3698	<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Blazebrake-Sealant-Fire-Test-Report-FP3698.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Blazebrake-Sealant-Fire-Test-Report-FP3698.pdf</a>
FC13490-001 Issue 1 Fire Technical Opinion (Test results)		<a href="https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Ramset_BlazeBrake-Sealant-Fire-Test-Report-FC13490-001.pdf">https://cdn.ramset.com.au/wp-content/uploads/2023/07/Ramset_testreport_Ramset_BlazeBrake-Sealant-Fire-Test-Report-FC13490-001.pdf</a>

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Contact details	
Manufacture location	Overseas
Legal and trading name of manufacturer	Ramset™ Australia
Legal and trading name of importer	Ramset™ New Zealand
Importer address for service	29 Poland Road, Auckland, 0627, New Zealand
Importer website	ramset.co.nz
Importer email	info@ramset.co.nz
Importer phone number	0800 726 738
Importer NZBN	9429039833129

Warnings and bans
This product line is not subject to any warning or ban under Section 26 of the Building Act 2004

### Appendix - Building code performance clauses

All relevant building code performance clauses listed in this document:

#### F2 Hazardous building materials

F2.3.1	The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.
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#### C3—Fire affecting areas beyond the fire source

Provision		Limit on application	
<b>Functional requirement</b>			
C3.1	Buildings must be designed and constructed so that there is a low probability of injury or illness to persons not in close proximity to a fire source.		
C3.2	Buildings with a building height greater than 10 m where upper floors contain sleeping uses or other property must be designed and constructed so that there is a low probability of external vertical fire spread to upper floors in the building.	Clause C3.2 does not apply to importance level 1 buildings.	
C3.3	Buildings must be designed and constructed so that there is a low probability of fire spread to other property vertically or horizontally across a relevant boundary.		
C3.4	(a) materials used as internal surface linings in the following areas of buildings must meet the performance criteria specified below:	Clause C3.4 does not apply to detached dwellings, within household units in multi-unit dwellings, or outbuildings and ancillary buildings.	
<b>Area of building</b>		<b>Performance determined under conditions described in ISO 9705: 1993</b>	
		<b>Buildings not protected with an automatic fire sprinkler system</b>	<b>Buildings protected with an automatic fire sprinkler system</b>
	Wall/ceiling materials in sleeping areas where care or detention is provided	Material Group Number 1-S	Material Group Number 1 or 2
	Wall/ceiling materials in exitways	Material Group Number 1-S	Material Group Number 1 or 2
	Wall/ceiling materials in all occupied spaces in importance level 4 buildings	Material Group Number 1-S	Material Group Number 1 or 2
	Internal surfaces of ducts for HVAC systems	Material Group Number 1-S	Material Group Number 1 or 2
	Ceiling materials in crowd and sleeping uses except household units and where care or detention is provided	Material Group Number 1-S or 2-S	Material Group Number 1 or 2
	Wall materials in crowd and sleeping uses except household units and where care or detention is provided	Material Group Number 1-S or 2-S	Material Group Number 1, 2, or 3
	Wall/ceiling materials in occupied spaces in all other locations in buildings, including household units	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3
	External surfaces of ducts for HVAC systems	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3
	Acoustic treatment and pipe insulation within airhandling plenums in sleeping uses	Material Group Number 1, 2, or 3	Material Group Number 1, 2, or 3

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(b) floor surface materials in the following areas of buildings must meet the performance criteria specified below:		
Area of building	Minimum critical radiant flux when tested to ISO 9239-1: 2010	
	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system
Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m2	2.2 kW/m2
Exitways in all other buildings	2.2 kW/m2	2.2 kW/m2
Firecells accommodating more than 50 persons	2.2 kW/m2	1.2 kW/m2
All other occupied spaces except household units	1.2 kW/m2	1.2 kW/m2
Provision	Limit on application	
	(c) suspended flexible fabrics and membrane structures used in the construction of buildings must have properties resulting in a low probability of injury or illness to persons not in close proximity to a fire source.	
C3.5	Buildings must be designed and constructed so that fire does not spread more than 3.5 m vertically from the fire source over the external cladding of multi-level buildings.	
C3.6	Buildings must be designed and constructed so that in the event of fire in the building the received radiation at the relevant boundary of the property does not exceed 30 kW/m2 and at a distance of 1 m beyond the relevant boundary of the property does not exceed 16 kW/m2.	
C3.7	External walls of buildings that are located closer than 1 m to the relevant boundary of the property on which the building stands must either:	
	(a) be constructed from materials which are not combustible building materials, or	
	(b) for buildings in importance levels 3 and 4, be constructed from materials that, when subjected to a radiant flux of 30 kW/m2, do not ignite for 30 minutes, or	
	(c) for buildings in Importance Levels 1 and 2, be constructed from materials that, when subjected to a radiant flux of 30 kW/m2, do not ignite for 15 minutes.	
C3.8	Firecells located within 15 m of a relevant boundary that are not protected by an automatic fire sprinkler system, and that contain a fire load greater than 20 TJ or that have a floor area greater than 5,000 m2 must be designed and constructed so that at the time that firefighters first apply water to the fire, the maximum radiation flux at 1.5 m above the floor is no greater than 4.5 kW/m2 and the smoke layer is not less than 2 m above the floor.	
C3.9	Buildings must be designed and constructed with regard to the likelihood and consequence of failure of any fire safety system intended to control fire spread.	

**For further information, please contact Ramset™**  
**NZ - PHONE: 0800 RAMSET (726738)    www.ramset.co.nz**  
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