



**Product description**

Blazebrake 201 is highly flexible to resist cracking making it ideal for acoustic and fire rated applications.

Blazebrake 201 is a user-friendly acrylic copolymer sealant for interior and exterior use.

**Recommended uses**

- Sealing gaps around pipes, cables, ducts and services, which penetrate fire-rated walls and floors.
- Sealing joints and penetrations in acoustic partitions and walls.
- Sealing joints in precast and tilt-up construction.
- Sealing vertical exterior joints.
- To prevent the spread of fire and smoke through walls and floors.

**Recommended substrates**

- Concrete
- CSR Hebel® Aerated Autoclaved Concrete
- Concrete Block
- Plasterboard
- Fibrecement

**Features and benefits**

- Fire rated according to AS1530.4-1990, BS476: Part 20:1987 and AS4072-1.1-1992
- Acoustic Rated
- Flexible and crack resistant – joint movement ± 20%
- Suitable for exterior use (see precautions)
- User Friendly
  - Easy to dispense in cold weather
  - Low odour
  - Easy tooling
  - Water clean up
  - Sag Resistant
- OH&S Friendly
  - Not HAZARDOUS - no isocyanates, no heavy metals, no solvents, no asbestos
- Paintable with acrylic coatings and oil-based coatings after 24 hours at 20°C

**Precautions**

- Not for temporary or permanent immersion in water. Prolonged contact with water may result in loss of adhesion.
- Do not apply when rain contact may occur within 24 hours.
- Not to be used in horizontal exterior joints. Do not use in horizontal joints in decks, patios, driveways or terrace joints where standing water, traffic, high abrasion or physical abuse is encountered.
- May not dry in totally confined or air free spaces.
- Do not use on steel or powder coated metal or other coated metals.
- Do not use on surfaces with special protective or cosmetic coating such as mirrors, reflective glass or surfaces coated with Teflon, polyethylene or polypropylene.

- Pre-test on absorptive natural stone surfaces such as marble, limestone or granite for staining and/or discolouration.
- Do not use in contact with material containing bitumen.

**Typical properties**

Typical properties after 7 days cure at 25°C and 50% RH

|                            |                                  |
|----------------------------|----------------------------------|
| Colour                     | Grey                             |
| Chemical Type              | Acrylic co-polymer               |
| Service Temperature        | -20°C to + 90°C                  |
| Specific Gravity (Density) | Wet 1.6 Kg / L<br>Dry 1.8 Kg / L |
| Application Temperature    | +5°C to + 35°C                   |
| Tool Working Time          | 15 minutes at 25°C               |
| Max. Joint Movement        | ± 20% Max.                       |
| Joint Width                | 50mm                             |
| Full Cure                  | 7 days at 25°C                   |
| Acoustic Rating            | Rw 56                            |
| Fire Rating                | Up to 4 hours*                   |

\*Fire Rating Certificates Available on Request Refer to BRANZ Fire Test Certificates 208, 209 and 210

**Joint design**

Consult Joint Design Guide available from Ramset or the web.

Joints must conform to the following joint-width to joint-depth ratios to ensure sealant does not split or tear.

| Joint Width    | Joint Depth                |
|----------------|----------------------------|
| 6 mm to 10 mm  | Equal to Joint Width       |
| 10 mm to 20 mm | 10 mm                      |
| 20 mm to 50 mm | Equal to 1/2 x Joint Width |

Correct joint design is necessary to ensure sealants do not split or tear.

- Depth must not be less than 6 mm.
- Joint movement (strain) capacity of BLAZEBRAKE 201 is ± 20% of nominal joint width. Anticipated joint movement must be less than the joint movement capacity.
- Lap shear joints should have a bead width equal to, or greater than twice the anticipated movement.
- For all applications requiring a high degree of dynamic movement the designed joint width should be at least seven times the total anticipated joint movement.

Failure to observe these recommendations can result in tearing or splitting of the sealant.

### Shrinkage

Water must evaporate for a water-based sealant to cure. This results in a change in volume ie. shrinkage.

Rigid water-based fillers may crack when they dry in joints subject to movement.

Blazebrake 201 is manufactured from a highly flexible co-polymer acrylic, which gives the sealant high joint movement capacity.

Blazebrake 201 will not crack or split as a result of drying shrinkage when installed in accordance with this document.

Fire and acoustic properties for Blazebrake 201 were assessed in the dried state. Therefore the test results accounted for shrinkage.

Drying shrinkage of Blazebrake 201 will not prevent the sealant achieving full fire and acoustic properties quoted in this document.

### Application instructions

#### Joint Preparation

Concrete must be at least 28 days old. Surfaces must be clean, dry, sound and free from laitance, dust, oil, grease, form release agents, surface coatings, adhesives or any agent, substance, material or contaminant that may interfere with the bond or may later affect the sealant.

Remove all dirt, dust, laitance and loose materials by vigorous wire brushing.

Joint faces must be sound, flat and free of surface irregularities. Concrete panel edges to be well-compacted concrete with Class 2 finish according to AS3610.

For any joint faces not meeting these requirements, form a fresh joint surface by saw cutting or refacing with a cement mortar.

For a neat finish, cover the face edges of the joint with masking tape before applying Blazebrake 201.

To avoid three-sided adhesion, install a bond breaker, such as Ramset Backer Rod in the joints prior to application of Blaze Brake 201.

Priming not usually required.

If surface quality is in doubt, apply a bead of sealant and allow to dry, to test adhesion before committing to the whole job.

Blazebrake 201 is suitable for use on CSR Hebel® AAC without primer.

### Application

Ensure surface and sealant temperatures are above 5°C. Apply Blazebrake 201 sealant in a continuous operation using a positive pressure to properly fill and seal the joint. Tool the sealant to force it against the back-up material and onto the joint surfaces to promote adhesion. Use a tool with a convex profile to keep the sealant within the joint.

Wipe excess sealant from all surfaces with a damp cloth before it dries.

If masking tape is used, remove it before sealant skins.

### Tooling Time

Complete tooling within 15 minutes of application.

### Skimming Time

30 Minutes @ 25°C

### Curing

Blazebrake 201 is rain resistant in vertical joints after 24 hours from application. Full cure is achieved within 7 days.

### Clean up

Clean up uncured material and equipment immediately after use using water. Remove dried Blazebrake 201 by scraping or other mechanical means. Caution: Scraping may damage the substrate.

### Pack sizes and order numbers

|                       |         |
|-----------------------|---------|
| Grey 300 ml cartridge | BLBRGYC |
| Grey 600 ml Sachet    | BLBRGYS |

### Storage

Store between 5°C and 30°C. Shelf life is 1 year in original unopened container.

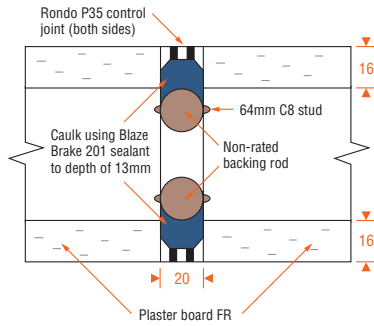
### Health and safety

- Blazebrake 201 is water-based so fumes and odour are minimal.
- Avoid contact with the skin, eyes.
- Wear protective gloves when using.
- MSDS available from [www.ramset.co.nz](http://www.ramset.co.nz) or call 0800 726 738.

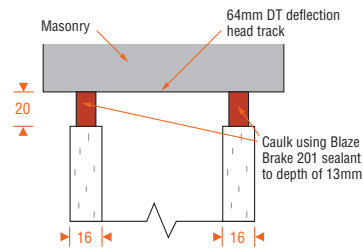
### Fire

Blaze Brake 201 is not flammable for transport and storage.

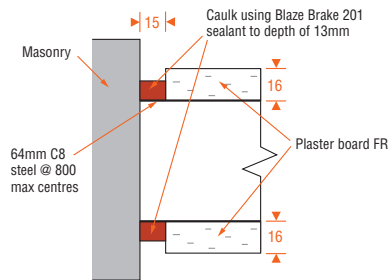
**1hr Control Joint - Dry Wall**



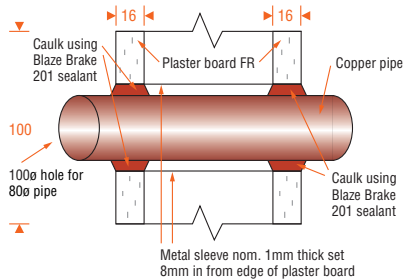
**1hr Deflection Head - Dry Wall**



**1hr Intersection with Masonry - Dry Wall**

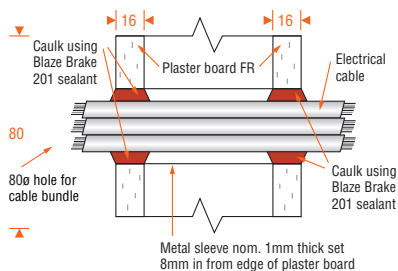


**1hr Pipe Penetration - Dry Wall**



**1hr Cable Penetration - Dry Wall**

Where cables are in bundle ensure that all cables are completely sealed by Blaze Brake 201 sealant



ERROR: rangecheck  
OFFENDING COMMAND: .buildshading2

STACK:

-dictionary-  
-dictionary-  
-savelevel-