



## Key Features

- Complies to AS1530.4
- Fire rating of up to 4 hours
- Fire rated to suit:
  - joint widths 10 mm to 80 mm
  - joint depths 100 mm to 200 mm
  - 34 mm diameter (nominal) steel pipe
- No dispensing tools required
- Acoustic rating ISO140

## Description

BlazeBrake™ Fire Rated Foam is a one component expanding PU foam suitable for sealing construction joints and service penetrations. It prevents the penetration and transfer of flames, smoke and gases between building compartments. BlazeBrake™ FR Foam reacts with moisture in the air causing it to expand to fill any shaped hole or cavity. The cured foam can then be cut or shaped and painted as desired.

## Typical Properties

Density	20 to 28 Kg / m <sup>3</sup>
Yield, Free Expansion	37 litre average
Maximum expansion obtained with container at 20°C. Cold, heat and low humidity will result in lower yields.	
Tack Free	10 min, 23°C, 50% RH
Cuttable (30 mm dia bead)	60 min, 23°C, 50% RH
Weight Bearing Time (30 mm dia bead)	24 hours, 23°C, 50% RH
Heat conductivity coefficient DIN52612	25 to 30 mW/m.K
Compressive Strength ISO844	75 kPa (10% Deformation)
Tensile Strength DIN53455	60 kPa
Elongation at Break DIN53455	20%
Shear Strength DIN53422	30 kPa
Water Absorption DIN53428	0.3 vol%
Temperature Resistance (Long Term)	-40 to 90°C
Temperature Resistance (Short Term)	-40°C to 130°C
Application Temperature	Ambient: +5°C up to +35°C Can: +10°C up to +30°C
Acoustic Rating ISO 140	R <sub>ST,w</sub> (C;C <sub>tr</sub> ) 58
Shelf Life	9 months maximum
Substrates	Concrete, Brickwork, Concrete Blockwork, Stone, Plaster, Wood, Fibre Cement Sheet, Metal, Polystyrene Foam, PU Foam, Polyester, Rigid PVC



## Features & Benefits

- 50% post expansion rate
- Suitable for sealing gaps around window and door frames
- Sound dampening and sealing against draughts and moisture
- High bond strength
- Excellent dimensional stability
- Can be painted and covered with plaster
- Excellent thermal insulator
- CFC & HCFC free (ozone layer friendly)
- VOC data available

## Related Products

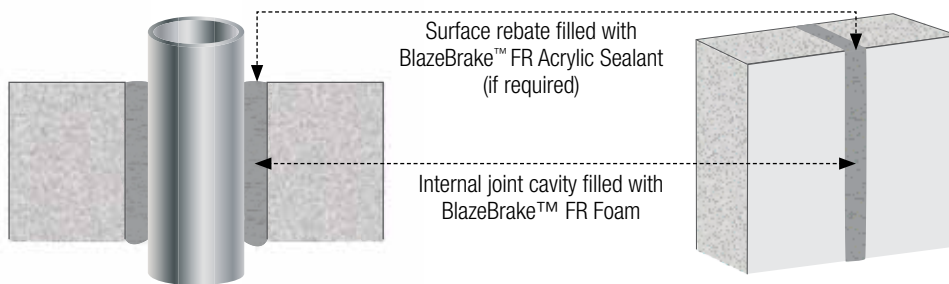
BlazeBrake™ Sealant - Fire Rated Acrylic (450g Cartridge or 960g Sausage)  
Fomo Cleaning Solvent (500ml Aerosol Can - FMSVM500)

## Trades & Applications

	Builder	Plumbing Contractor	Electrical Contractor	Mechanical Services	Passive Fire Specialist	Maintenance Services
Precast and tiltup concrete walls	✓	✓	✓	✓	✓	✓
Concrete ceilings & floors	✓	✓	✓	✓	✓	✓
Small metal pipe penetrations	✓	✓		✓	✓	✓

## Installation

Consult technical data for tested applications and fire ratings, before commencing use. For detailed technical data and instructions go to [www.ramset.com.au](http://www.ramset.com.au). For applications outside those tested, refer to your Fire Consultant for compliance advice.



### Metal Pipe Penetration

- BlazeBrake™ Foam with or without Acrylic Sealant
- Steel pipe 34mm (nom)

### Vertical Joints (up to 80mm)

- BlazeBrake™ Foam with or without Acrylic Sealant
- Joint width from 10 to 80mm
- Joint depth from 100 to 200mm

## Concrete Slab Installation Data

Source: CSIRO report FC02662

Dimensions in mm			Rebate Filler	FRL
Joint Width	Joint Depth	Rebate*		
10	210	10	FR Silicone	-/240/240
20	210	-	-	-/240/240
10	210	-	-	-/240/240
20	210	10	FR Silicone	-/240/240
20	200	10	FR Silicone	-/240/240
20	200	10	BlazeBrake™ Sealant	-/240/240
20	200	-	-	-/180/180
80	210	-	-	-/60/60
60	210	-	-	-/90/90
40	210	-	-	-/180/180

## Concrete Block Wall Installation Data

Dimensions in mm			Rebate Filler	FRL
Joint Width	Joint Depth	Rebate		
10	100	10	BlazeBrake™ Sealant	-/240/240
10	100	-	-	-/120/120
20	100	10	BlazeBrake™ Sealant	-/180/90
20	100	-	-	-/60/60

## Steel Pipe through Aerated Concrete Block Wall Installation Data

Source: CSIRO report FC02680

Dimensions in mm				Rebate Filler	FRL
Hole Dia	Pipe Dia	Hole Depth	Rebate		
80	34	150	-	-	-/60/60
80	34	150	10	BlazeBrake™ Sealant	-/240/90

## BlazeBrake™ Foam

Part No.	Colour	Volume	Order Qty
FRF700	Light Grey	750mL Can	12