



We are Changing



Product Guide

**Sealants**



## Sealants

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# SEAL 'N' FLEX 1

## Polyurethane Construction Joint Sealant



### DESCRIPTION

Seal 'N' Flex 1 is a low modulus, one component, Class A polyurethane sealant. When cured it will form a tough, flexible seal capable of cyclic expansion and compression movement of 100% ( $\pm 50\%$ ) of the original joint width. Seal 'N' Flex 1 is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, sleet, ultra-violet radiation, ozone, atmospheric contamination and pollution. Its excellent weatherability enables it to retain its original properties after years of exposure, refer to the CSIRO RILEM LONG-TERM SEALANT DURABILITY STUDY DBCE Doc. 97 / 196 (M).

### RECOMMENDED USES

Sealing Expansion / Construction joints in :

- Insitu Concrete.
- Precast and tilt up panels.
- Brick & blockwork.
- Plasterboard.
- Aluminium windows.
- Granite, sandstone and marble.
- GRC, fibreglass & speciality panel systems.
- Metal curtain wall.
- Water tanks.
- Sealing contraction / Longitudinal / Expansion. joints in concrete roads.

### FEATURES & BENEFITS

- Low modulus 100% ( $\pm 50\%$ ).
- Excellent durability.
- Acoustic rated.
- One component, no mixing required.
- Australian made.
- Colour range.
- Paintable (refer limitations).
- Non staining.

### APPROVALS / STANDARDS

- CSIRO RILEM LONG - TERM SEALANT DURABILITY STUDY DBCE Doc.97/196(M).
- ISO 11600 - Class F-25 LM.
- DIN 18540 (German), SNJF (French) & BS 4254-1983 approval as a low modulus external joint sealant.
- ASTM C.920-87 & 98 (USA) as Type S, BS 5212 Part II 1990, Grade NS, Class 25, G,A,M & O as an external joint sealant.
- AS4020 1992 Potable water approval.
- AS1157 - 1972 Resistance to fungal growth Ministry and Agriculture and Fisheries New Zealand (Meat, Fish, Game, Poultry).

### PERFORMANCE PROPERTIES

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

Appearance	Non - sag smooth thixotropic paste
Cure Method	Moisture Curing
Tack free time	6 - 12 hours
Rate of cure in mm / 24hrs	2
Hardness shore A	30 approx.
Tensile Strength	> 1.3 N / mm <sup>2</sup>
Chemical resistance	Resistant to dilute acids, alkalis & some solvents, intermittent contact with diesel and petroleum.
Elongation at break	> 900 %
Application Temperature	5°C to 35°C
Temperature resistance	- 40°C to + 70°C
Full cure	7 days on porous substrates

ITEM NO	STOCK SIZE	COLOUR
<b>BOSTIK SEAL 'N' FLEX 1</b>		
256158	300ml Cartridge	Grey
246204	300ml Cartridge	Black
246220	300ml Cartridge	White
216275	600ml Sausage	Grey
300772	600ml Sausage	Grey
217824	600ml Sausage	Limestone
217808	600ml Sausage	Black
216267	600ml Sausage	White
217751	600ml Sausage	Bahama Beige
226203	600ml Sausage	Sandstone
226688	600ml Sausage	Redwood
218626	600ml Sausage	Off White
232440	600ml Sausage	Manilla Sand
242322	600ml Sausage	Classic Bone
232556	600ml Sausage	Epping Grey

### COVERAGE

The coverage below is the approx. linear metres coverage per pack size. (300ml cartridge / 600ml sausage).

Size	6 X 6 mm	10 X 10 mm	20 X 10 mm
300ml (ctg)	8.3	3	1.5
600ml (sge)	16.7	6	3

Calculation formula  $W \times D \times L =$   
Litres 1000

W = Width (mm) D = Depth (mm) L = Length (mtrs.)

### STORAGE & SHELF LIFE

Store between 5°C to 30°C. Shelf life 2 years in original unopened cartridges or sausages.

# SEAL 'N' FLEX FC

## Fast Cure Polyurethane Joint Sealant / Adhesive



### DESCRIPTION

Bostik Seal 'N' Flex FC is a high performance fast cure one component polyurethane sealant. When cured it will form a tough, flexible seal and bond capable of cyclic expansion and compression movement. Joints formed with this sealant can be expected to extend and compress a total of 50% ( ± 25% ) of original joint dimensions to ASTM C719. Bostik Seal 'N' Flex FC is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, sleet, ultra-violet radiation, ozone, atmospheric contamination and pollution. Its excellent weatherability enables it to retain its original properties after years of exposure. Its physical properties remain relatively unchanged over a wide temperature range (- 40°C to 70°C).

### RECOMMENDED USES

- For sealing floor joints.
- Granite, sandstone and marble pointing, GRC, Fibreglass & Speciality panel systems.
- Metal curtain wall facades.
- Portable water tanks.
- Sealing gaps and adhering facade and cladding panels to various building materials.
- Sealing construction and expansion joints.
- Perimeter sealing of door and window framing.
- For new construction and remedial applications.
- Adhesive for wide range of building and construction applications.
- For sealing of concrete joints in airport runways .

### FEATURES & BENEFITS

- Fast tack free time and cure rate.
- High bond strength.
- A medium / high modulus product, which forms a resilient and permanently elastic seal .
- Confirms to BS 4254 - 1983 & BS 5212 Part II 1990 .
- Excellent adhesion to most materials including metals, concrete, brick, wood, plasterboard, GR & CFC.
- Paintable and sandable (refer paintability section).
- Non - slumping.
- Resistant to fungal attack to AS1157.2.
- Potable water approval to AS 4020.
- Excellent resistance against hydrolysis, ageing and a wide range of chemicals.
- One component, no mixing required.

### STORAGE & SHELF LIFE

Store between 5° C to 30°C. Shelf life 12 months in original unopened cartridges or sausages.

### PERFORMANCE PROPERTIES

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

Appearance	Non-sag smooth thixotropic paste
Cure System	Moisture Curing
Tack free time	45 minutes
Rate cure in mm / 24 hrs	3.5
Hardness shore A	50 approx.
Tensile strength	2.5 - 3.0 N / mm <sup>2</sup>
Service Chemical Resistance	Resistant to dilute acids & alkalis, some solvents intermittent contact with diesel and petroleum.
Elongation at break	> 650%
Application Temperature	5°C to 35°C
Temperature resistance	- 40°C to + 70°C
Colour	Grey, black and white
Full cure	7 days
Potable water approval	AS4020
Acoustic properties	Excellent
Paintable	Approx. 24 hours after application

ITEM NO	STOCK SIZE	COLOUR
<b>BOSTIK SEAL 'N' FLEX FC</b>		
248673	380gm (300ml) Cartridge	Black
247235	380gm (300ml) Cartridge	Grey
248703	380gm (300ml) Cartridge	White
248665	720gm (600ml) Sausage	Black
247227	720gm (600ml) Sausage	Grey
248681	720gm (600ml) Sausage	White

### COVERAGE

The coverage below is the approx. and is dependant on substrate conditions.

Pack size	linear	Linear
	Meters	Meters
	6 mm Bead	20 mm Bead
380gm ctg. (300ml)	10	2.3
720 gm sge. (600ml)	19	4.4

Calculation formula  $\frac{W \times D \times L}{1000} = \text{Litres}$

W = Width (mm) D = Depth (mm) L = Length (mtrs.)

# FIREBAN ONE

## Fire Rated Polyurethane Sealant



### DESCRIPTION

Fireban One is a fire rated, single component, low modulus polyurethane sealant, curing via air humidity or moisture to form an elastomeric weatherproof fire-rated seal. Fireban One is a Class A polyurethane sealant, when cured it will form a tough, flexible seal capable of cyclic expansion and compression movement of 50% (± 25%) of the original joint width. Fireban One is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, sleet, ultra-violet radiation, ozone, atmospheric contamination and pollution.

### RECOMMENDED USES

- Sealing of expansion and construction joints in precast.
- Sealing joints in situ concrete block and brick work.
- Penetration and core hole sealing in conjunction with fire collars or pillows or in areas requiring intumescent sealing.
- Sealing joints that require acoustic rating performance.

### FEATURES & BENEFITS

- High Durability.
- Excellent weathering resistance.
- Can be over painted.
- Non staining.
- 50% total joint movement max.
- Australian made.
- Excellent acoustic ratings.
- Fire rated up to 4 hours.

### APPROVALS / STANDARDS

- AS 1526 - 1973.
- ASTM C920 - 1986.
- BS4254-1983.
- Fire Test Certification to AS1530 - 4 (1990), AS4072 -1 (1992) and Bs476 - 20 (1987)
- Acoustic certification to BCA Standards.
- BOMBA Approved (Malaysia).
- SISIR Approved (Singapore).

### PERFORMANCE PROPERTIES

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

Appearance	Non-sag thixotropic paste
Colour	Limestone
Chemical Type	Polyurethane (Moisture Cure)
Shore A hardness	30 approx.
Chemical Resistance	Resistant to dilute acids, alkalis and some solvents.
Tack Free Time	6-12 hours
Tensile Strength	> 1.3 N / mm <sup>2</sup>
Temperature Resistance	- 40°C to + 70°C
Application temperature	+ 5°C to + 35°C
Elongation at Break	> 900%
Specific Gravity	1.45 approx
Rate of cure in mm / 24hrs	2

### COVERAGE

The coverage below is the approx. linear metres coverage per pack size. (600 ml sausage)

Size	6 mm	10 mm	20 mm
	x	x	x
	6 mm	10 mm	10 mm
600 ml (sge)	16.7	6	3

Calculation formula  $W \times D \times L =$   
Litres 1000

W = Width (mm) D = Depth (mm) L = Length (mtrs.)

ITEM NO	STOCK SIZE	COLOUR
<b>BOSTIK FIREBAN ONE</b>		
224200	600 ml (870 gm) sausage	Limestone

### STORAGE & SHELF LIFE

Store between 5° C to 30°C. Shelf life 2 years in original unopened cartridges or sausages.

# FIRECAULK

## Fire Rated Acrylic Sealant



### DESCRIPTION

Bostik Firecaulk is a single component, non-sag, fire rated sealant. Bostik Firecaulk is a gun grade acrylic based sealing compound specifically manufactured for sealing low movement interior joints (less than 5%) in masonry and plasterboard to provide a fire barrier for periods upto 4 hours.

### RECOMMENDED USES

- Sealing of gaps around pipes, cables, ducts and services which penetrate fire rated walls and floors.
- Fire rated cable penetration in concrete and masonry.
- Installation of fire rated sealant in concrete walls and floors.
- Sealing construction and expansion joints.
- Application requiring acoustic properties or STC rating.
- Sealing joints in pre - cast panels.
- Perimeter sealing of door and window framing.
- Sealing gaps between faced and cladding panels to various building materials.
- For new construction and remedial applications.
- To prevent the spread of fire and smoke through walls and floors.

### FEATURES & BENEFITS

- Fire resistance when tested in accordance with AS 1530.4-1998, BS476: part 20-1987 and AS 4072.1-1992.
- Designed for Australian conditions.
- One part no mixing required.
- Very easy to apply and gives a smooth finish.
- Smooth gunnability and tool off finish.
- Low odour.
- Non-toxic.
- Asbestos free.
- Priming normally not required.
- Water clean up.
- Prevents the passage of hot gases.
- Paintable after 24 hours at 20°C.
- Water resistant after cure (7 days after application).

### STORAGE & SHELF LIFE

12 months from the date of manufacturing, when stored at or below 27° C.

### PERFORMANCE PROPERTIES

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

Appearance	Non sag smooth thixotropic paste
Stain and Colour Change	None
Chemical Type	One component intumescent acrylic
Shore A hardness	22 approx.
Chemical Resistance	Fair
Service Temperature	- 20°C to + 90°C
Application Temperature	+ 4°C to + 35°C
Tensile Strength	> 1.0 N / mm <sup>2</sup>
Tool working Time	15 minutes at 25°C
Max. Joint Movement	± 12.5%
Max. Joint Width	50 mm
Elongation	290 to 340%
Colour	White and Lime stone
Full Cure	7 days at 25°C

\* Full test reports on fire resistance available on request.

### COVERAGE

		Joint Depth			
		6 mm	8 mm	10 mm	12 mm
Joint Width	6 mm	16.6	12.6	10.0	8.4
	8 mm	12.6	9.4	7.5	6.2
	10 mm	10.0	7.6	6.0	5.0
	12 mm	8.4	6.2	5.0	4.2
	15 mm	5.7	5.0	4.0	3.34
	20 mm			3.0	2.5
	25 mm				2.0

### PACKAGING

ITEM NO	STOCK SIZE	COLOUR
<b>BOSTIK FIRECAULK</b>		
239747	10 L Pail	Limestone
239755	600 ml Sausage	Limestone
245410	300 ml Cartridge	White

# FILL-A-GAP

## Non Slump Flexible Acrylic Gap Sealant and Filler



### DESCRIPTION

Bostik Fill-A-Gap is a one-part water based, paintable acrylic gap filler. It is a general purpose, gunable one-part water based, acrylic gap filler. This easy to use, economical sealant provides excellent adhesion for gaps in low movement joints.

### RECOMMENDED USES

- Sealing cracks in plasterboard.
- Sealing window and door frames.
- Sealing around ceramic tiles.
- Sealing low movement joints.
- Crack filling prior to painting.
- Sealing cracks in brickwork and concrete.
- Sealing between light partition walls.
- Sealing skirting and architraves.

### FEATURES & BENEFITS

- Excellent sealing and adhesion properties.
- Skins within 15 minutes.
- After 2 hours can be over - painted with acrylic paint.
- Once fully cured (2-3 days) oil based paint can be used.
- Interior / Exterior use.
- High bond strength.
- Once cured, excellent water resistance.
- Australian made.

### COVERAGE

The coverage below is the approx. and is dependant on substrate conditions.

Joint Depth (mm)	Joint Width (mm)			
	5	10	20	25
5	12.8	6.4	4.2	3.2
10	-	3.2	2.1	1.6
15	-	-	1.4	1.1

### PAINTABILITY

Bostik Fill A-Gap can be painted over with most types of paint. In most cases Fill - A - Gap can be painted over in 2 hours, this is dependent on gap size and depth. In general larger the gap size longer the drying time.

### PERFORMANCE PROPERTIES

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

Appearance	Smooth paste like Consistency
Colour	White
Chemical type	Water based acrylic
Specific Gravity	Approx.1.6
Shore A Hardness	Approx. 80
Tensile Strength (E Modulus 100%)	15 N / cm
Service Temperature	- 20°C to + 75°C
Application temperature	5°C to 80°C
Tool working time	15 minutes at 20°C
Tack free time (skin time)	15 minutes
Full cure	2 - 3 days (depending on Temp)
Max. Joint movement	10%
Maximum Joint Width	up to 25 mm in location areas

### PACKAGING

ITEM NO	STOCK SIZE	COLOUR
<b>BOSTIK FILL-A-GAP</b>		
	400 gm (280 ml) Cartridge	White
248711	1000 gm (600 ml) Sausage	White
223522	475 gm Sausage	White
	500 gm Container	White
	1 Kg. Container	White
	5 Kg. Container	White
	10 Kg. Container	White

### STORAGE & SHELF LIFE

Store in a cool dry conditions for a shelf life of 24 months. Store away from oxidising agents and acids.



# FILL-A-GAP FLEXIBLE

## Acrylic Joint Sealant



### DESCRIPTION

Bostik Fill-A-Gap Flexible is a strong, highly flexible (total 20 - 25%), anti-fungal, mildew resistant acrylic gap filler. Fill-A-Gap Flexible is designed for internal and external applications for vertical sealing requirements where a flexible sealant is required. Bostik Fill-A-Gap Flexible offers excellent adhesion properties when cured and is more flexible than conventional acrylic gap sealants with minimal shrinkage.

### RECOMMENDED USES

- Bathroom, kitchen and laundry.
- Sealing gaps in plasterboard, brickwork, timber, concrete, cement sheet and ceramic tiles.
- May be painted with conventional available paints.
- May be use where sealing is required for internal vertical joints.
- Window and door perimeter sealing.

### FEATURES & BENEFITS

- Anti - fungal.
- Extensive colour range available.
- Good adhesion to most building materials.
- May be over painted.
- Excellent flexible properties.
- Water based technology, water clean up.
- Non slump.
- Interior / Exterior use.
- Australian made.

Appearance	Smooth, paste like consistency
Colour	Various
Chemical Type	Water based acrylic
Specific Gravity	1.5
Service Temperature	- 20°C to + 75°C
Tack Free Working Time	15 mins @ 20°C
Total Max Joint Movement	Upto 20%
Max Joint Width	25 mm

Results are after seven days cure @ 25°C and 50% RH.

### PRECAUTIONS

#### Not recommended for use

- Where abrasion or physical abuse can be expected.
- In sealing submerged joints.
- Underwater or in marine applications.
- When applied to substrates below 5°C.
- With absorptive surfaces such as marble, limestone or granite without prior testing for staining and / or discolouration.
- On powder coated surfaces.
- In horizontal applications.
- On damp substrates.
- External expansion joints.
- Where joint movement is excessive (greater than 20% total joint movement).
- Where exposed to water or where water pools.

### COLOUR SHADES



### PACKAGING

ITEM NO	SIZE	COLOUR	PACK SIZE	APN NO:
<b>BOSTIK FILL-A-GAP FLEXIBLE</b>				
268577	410g	White	12	9310492092348
268593	410g	Vanilla	12	9310492192352
268615	410g	Beige	12	9310492092386
269999	410g	Coffee	12	9310492192338
268607	410g	Terracotta	12	9310492192376
285463	410g	Chocolate Brown	12	9310492441085
285455	410g	Deep Green	12	9310492441092
268623	410g	Light Grey	12	9310492192345
270008	410g	Dark Grey	12	9310492192321
268585	410g	Black	12	9310492092393

### STORAGE & SHELF LIFE

Store between 5°C and 30°C. Shelf life is a minimum of twelve months in original unopened cartridge.



# ALL PURPOSE SILICONE

## High Performance Silicone Sealant Neutral Cure



### DESCRIPTION

Bostik All Purpose Silicone is a high performance, Ultra Violet resistant one component neutral cure silicone sealant, designed for sealing lap joints in metal guttering, aluminium roofing, flashings and down pipes.

### RECOMMENDED USES

- Metal Roofing Systems.
- Flashing and Down Pipes.
- Lap joints in Zinalume, Colourbond and other BHP decorative sheet metal.
- Skylights & Extraction Units.
- Pipe or Sprinkler System Penetrations.
- Air Conditioning.
- Sheet - Metal.
- General Purpose adhering and sealing, building materials, steel, aluminium, concrete, brick and masonry.
- Block or Brick work.

### FEATURES & BENEFITS

- Excellent General Purpose Sealant.
- Permanently Flexible.
- Suitable for Interior and Exterior applications.
- Unaffected by rain, snow, extreme temperature change and constant ultra violet exposure.
- Waterproof.
- Excellent adhesion properties.

### PAINTABILITY

Non-paintable

### COVERAGE

Approx. 11 linear metres per 280 ml. cartridge based on average joint size of 5 mm depth and 5 mm width.

### PERFORMANCE PROPERTIES

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

Tooling time (at 20°C)	3 - 5 minutes
Tack free time (Per Fed. Spec TTS001543A)	10 minutes
Cure time (to 10mm depth @ 23°C & 50% RH)	5 - 7 days
Application range Temperature	10°C to 60°C
Performance range	- 62°C to + 177°C
Hardness shore A (ASTM D-2440)	28
Tensile strength (ASTM D-412)	200 psi (15 kg/cm <sup>2</sup> )
Sag, slump (Per TT-S-001543A)	Nil
Specific gravity	1.02
Cure method (Chemical type)	Neutral
UV and ozone resistance	Excellent
Joint movement	± 25%

### PACKAGING

STOCK SIZE	COLOUR
<b>ALL PURPOSE SILICONE</b>	
280 ml. cartridge	Translucent
280 ml. cartridge	White
280ml. cartridge	Grey
280 ml. cartridge	Black

### STORAGE & SHELF LIFE

When stored at or below 30°C Bostik All Purpose Silicone has a shelf life of 12 months from date of manufacture.

# GLAZING SILICONE

## General Purpose Silicone Sealant



### DESCRIPTION

Glazing Silicone is a high performance, acetic (acetoxo) cure, ultraviolet resistant one component silicone sealant. Bostik Glazing Silicone is an industrial grade, acetic cure sealant designed specifically for Sealing and waterproofing all types of windows and frames, ideally used for glass and glazing.

### RECOMMENDED USES

- In construction of shop front windows.
- Installation of aluminium windows between glass and aluminium.
- Sealing around skylights and light fittings.
- Construction of glass display cabinets.
- Sealing of glass blocks and some plastics.
- Fish Aquariums.

### FEATURES & BENEFITS

- UV light resistant.
- Waterproof.
- Suitable for interior and exterior applications.
- Highly flexible.
- Permanently elastic.

### PAINTABILITY

Non-paintable.

### COVERAGE

Approximately 11 linear metres per 280 ml. cartridge based on average joint size of 5 mm depth and 5 mm width.

### STORAGE & SHELF LIFE

When stored at or below 30°C Bostik Glazing Silicone has a shelf life of 12 months from date of manufacture.

### PERFORMANCE PROPERTIES

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

Tooling time (at 20°C)	3 - 5 minutes
Tack free time (Per Fed. Spec TTS001543A)	1 hour
Cure time (to 10mm depth @ 23°C & 50% RH)	5 - 7 days
Application range	10°C to 60°C
Temperature	- 62°C to + 177°C
Performance range Hardness shore A (ASTM D - 2440)	28
Tensile strength (ASTM D-412) 200	320 psi (23 kg /cm <sup>2</sup> )
Sag, slump (Per TT - S - 001543A)	0.1
Specific gravity	1.05 approx
Cure method (Chemical type)	Acetoxo
UV and ozone resistance	Excellent
Joint movement	± 25%

### PACKAGING

STOCK SIZE	COLOUR
<b>GLAZING SILICONE</b>	
280 ml. cartridge	Translucent
280 ml. cartridge	Black
280 ml. cartridge	White



## Our Authorized Distributors



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