

# SEAL N FLEX DIY CONSTRUCTION

## PRODUCT

Bostik Seal N Flex Construction is a high performance, general purpose adhesive and sealant.

## DESCRIPTION

Seal N Flex Construction is a one part fast curing mid modulus polyurethane adhesive / sealant, which cures to form a flexible tough and durable high strong bond and watertight seal. Seal N Flex Construction is tested in accordance with International Standards and has AS4020 approval for use with potable water and it will not support fungal growth.

## RECOMMENDED USES

- For sealing floor and wall joints.
- Potable water tanks.
- Sealing construction and expansion joints.
- Granite, sandstone and marble pointing.
- Metal roofing system, air con, sky light and air extraction unit sealing.
- Perimeter sealing of doors and windows.
- Fixing and adhering common building materials such as metals, enameled substrates, concrete, masonry, brick and most plastics.
- For bonding sheet metal, aluminum, stainless steel, ABS, GRP, ceramics, injection moulding PU and PVC as well as timber.

## FEATURES & BENEFITS

- General purpose.
- Fast curing.
- Internal and external application.
- Paintable and sandable.
- Up to +/-25% joint movement.
- Water potable AS4020
- Very high bond strength.
- Good chemical resistance.
- Excellent water resistance.
- One component, no mixing required.
- Excellent resistance to weathering and aging.
- Slump resistant.
- Australian Made.

## PERFORMANCE PROPERTIES

Typical properties after seven days cure at 25°C & 50%RH

Appearance	Non-sag smooth Thixotropic paste
Colour	White, Grey and Black
Chemical resistance	Resistant to dilute acids & alkalis, some solvents, intermittent contact with diesel and petroleum.
Application Temperature	+5°C to +35°C
Full Cure	7 days at 25°C and 50% RH
Tool Working Time	30 minutes
Specific Gravity	1.23 ± 0.03

Tack Free (skin time)	45 minutes
Service Temperature	-30°C to +80°C continuous
Potable water approval	AS4020

## PACKAGING

Bostik Seal N Flex Construction is supplied in 365gm cartridges and 720gm sausages.

## COVERAGE

The coverage below is approximate and is dependant on substrate conditions.

Pack Size	Lineal Mtrs		
	3mm bead	6mm bead	20mm bead
365gm Ctg.	33	8	1.5
720gm Sgs	66	19	4.4

## APPLICATION INSTRUCTIONS

### Surface Preparation

Remove all dirt, dust and loose materials by vigorously wire brushing. Remove all rust, scale and protective coating from metal surfaces and clean off any oil or grease using acetone.

DO NOT USE METHYLATED SPIRITS.

Application to some substrates, such as stainless steel: adhesion will be improved with the use of a primer.

For additional information please contact Bostik.

### Application

Cut tip off cartridge. Pierce foil inside cartridge, screw nozzle onto cartridge and insert into caulking gun. Cut nozzle at desired 45° angle.

### Adhesive Applications

Seal N Flex Construction does not need to be applied to both surfaces to be bonded. Apply in beads or daubs to the prepared substrate. Materials being adhered can be bonded immediately or left open up to 10 minutes after application prior to bonding. Ensure thickness of adhesive is greater than 1mm.

### Sealant Applications

Seal N Flex Construction is suitable for vertical joint sealing or in flooring application such as saw cuts joining. More joint movement can be accommodated in a thin bead of sealant than a thick bead. The ratio of joint width if sealant to depth should be 2:1. The use of a bond breaker prevents undesirable three sided adhesion. Open cell polyurethane foam or closed cell polyethylene foam rod is the recommended back up material to control correct sealant geometry. Once the back up materials or joint filler is installed (as specified) apply Seal N Flex Construction continuously using positive pressure to fill and seal the joint. Tool the sealant with adequate pressure to spread the sealant against the back up material and onto the joint sided.

## PRECAUTIONS

- May be painted over after full cure, however Seal N Flex Construction is not recommended for use under solvent based coatings such as gloss enamels. A field test is recommended to ensure compatibility. (Refer paintability statement below).
- Seal N Flex Construction should not be applied to surfaces with special protective or cosmetic coatings such as mirrors, reflective glass surfaces coated with Teflon without prior consultation with a Bostik representative.
- Seal N Flex Construction should not be applied to unpredictable absorptive surfaces such as marble, limestone or granite unless a standard of appearance has been agreed upon following result of testing for stain and discoloration.
- Do not apply, store or cure Seal N Flex Construction in areas where unusually high humidity or free water is present.
- Seal N Flex Construction should not be used in highly chlorinated areas such as swimming pools, spas etc. without prior consultation with a Bostik representative.
- Do not apply at temperatures below 5°C and temperatures above 35°C.
- Ensure cartridge temperature and contents are between 10°C and 30°C prior to applications. This will eliminate application or curing problems.
- Not suitable for caulking timber decking.
- Do not use as a windscreen sealant.
- White coloured sealant may yellow over time.
- Do not use for structural glazing.
- Not suitable for use on Polyethylene, Polypropylene and Teflon.

## PAINTABILITY

Seal N Flex Construction can be painted as early as 24 hours after application. For sections less than 3mm thickness, Seal N Flex Construction may be painted in over 24 hours. For sections greater than 3mm thickness, Seal N Flex Construction may be painted 48 hours after application.

Paint or coatings containing high solvent e.g.: Gloss enamels or high oil based coatings undercoats may remain tacky. To obtain best appearance and performance, the paint must approximate the elongation capabilities of Seal N Flex Construction. Thin or watered down coatings will surface craze very quickly upon movement. High build coatings with some elastomeric ability such as quality acrylic emulsions have the capability to absorb low movement without significant distortion of the paint film.

For additional information, contact a Bostik representative.

## HEALTH AND SAFETY

Avoid breathing vapour and spray mist. Wear overalls, safety shoes, impervious gloves and safety glasses. Use only in well ventilated areas. If inhalation risk exists wear organic vapour respirator. Avoid contact with food stuffs, and sources of heat and ignition. Wash hands after use. Store away from oxidising agents.

## FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 131 126 NZ 0800 764 766). If inhaled remove from contaminated area and seek medical advise.

## CLEAN-UP

Clean tools and equipment with paint thinners before product cures. Excess sealant can be removed by using Bostik Handi-Clean Towels, a dry cloth or solvent before the product cures.

DO NOT USE METHYLATED SPIRITS

## STORAGE

12 months in original unopened container if stored between 5°C and 30°C.

## SEAL N FLEX CONSTRUCTION

ITEM NO.	STOCK SIZE
328944	Seal N Flex Construction Black 365gm
328936	Seal N Flex Construction Grey 365gm
328952	Seal N Flex Construction White 365gm

*The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.*

**ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK AUSTRALIA PTY LTD**

## FOR FURTHER INFORMATION



**BOSTIK AUSTRALIA PTY LTD**  
Phone: +61-3-9279 9333  
Fax: +61-3-9279 9240

**BOSTIK NZ LIMITED**  
Phone: +64-4-567 5119  
Fax: +64-4-567-5412

**BOSTIK SINGAPORE PTE LTD**  
Phone: +65-6863 4088  
Fax: +65-6863 4077

**BOSTIK (MALAYSIA) SDN BHD**  
Phone: +606 764 3246  
Fax: +606 764 3248

**SYDNEY**  
Phone: 02 8825 3488  
Fax: 02 8825 3411

**ADELAIDE**  
Phone: 08 8244 0511  
Fax: 08 8244 0522

**PERTH**  
Phone: 08 9331 7666  
Fax: 08 9331 7677

**BRISBANE**  
Phone: 07 3260 2206  
Fax: 07 3260 2123

**(ABN 79 003 893 838)**

Product: Seal N Flex Construction  
Issue Date: September 2007  
Issue No: 1  
Division: Hardware  
Total Pages: 2