

SEAL N' FLEX[®] ADVANCE

LOW MODULUS HYBRID FAÇADE SEALANT

10th October 2019

YOUR SMART ADVANTAGES

- Excellent adhesion without primer to most, even damp, surfaces
- Low modulus ($\pm 25\%$ joint movement)
- Moisture curing, almost odourless
- Free of isocyanates, solvents and silicones
- Low shrinkage
- **No bubbling**
- Good resistance to UV, water and weather
- Permanently elastic
- High mechanical resistance

USES

Bostik Seal N' Flex[®] ADVANCE is a high quality professional universal low modulus sealant based on hybrid technology. It cures under the influence of humidity to form a durable elastic rubber. **Bostik Seal N' Flex ADVANCE** has been specifically developed for:

- In-situ concrete and render
- Precast and tilt up panels
- Brickwork and block work
- Plasterboard face and paper lined recessed edges
- Fibre cement sheet
- Aluminum windows
- GRC, fiberglass and mostly specialty panel systems
- Painted wood
- Stainless steel
- A variety of plastics, see limitations section overleaf

CLASSIFICATION STANDARDS

PRODUCT CHARACTERISTICS

Colours	White, grey and black
Viscosity	Non-sag, smooth thixotropic paste
Cure method	Moisture curing
Chemical resistance	Dilute acids, alkalis and some solvents. Intermittent contact with petroleum and diesel.
Coverage	Refer to coverage table

Product codes

300ml cartridge/20 per carton

White	30613041
Grey	30613039
Black	30613040

600ml sausage/20 per carton

White	30613043
Grey	30613042
Black	30613044

TYPICAL PERFORMANCE DATA (approx.)

Application temperature	5 to 40°C
Service temperature	-30 to 70°C
Skin Time	90 minutes (@ 23°C/50% RH)
Cure rate	2.5mm/24 hours (@ 23°C/50% RH)
Specific gravity	1.34 g/ml
Shore A hardness	25
Elongation at break	600%
100% Modulus	0.35 N/0.45N/25mm
Total joint movement	$\pm 25\%$
Maximum joint width	Up to 50mm

BOSTIK SEAL N' FLEX® ADVANCE

DIRECTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting www.bostik.com.au.

SURFACE PREPARATION

Ensure an application temperature within +5 to +40°C (applies to environment and substrates). All substrates must be solid, clean, dry and free of grease and dust.

Bostik Seal N' Flex ADVANCE adheres perfectly without the use of primer on most non-porous substrates. Some porous substrates may require pre-treatment with **Bostik Simson Prep P** (refer to the Bostik Simson Prep P Technical Data Sheet). Always test adhesion prior to application.

APPLICATION

Bostik Seal N' Flex ADVANCE should be dispensed from either the cartridge or sausage by means of a caulking gun.

Cartridge application:

1. Pierce the membrane at the top of the top of the cartridge and screw on the nozzle
2. Cut the nozzle to give the required angle and bead size
3. Place the cartridge in a caulking gun and squeeze the trigger

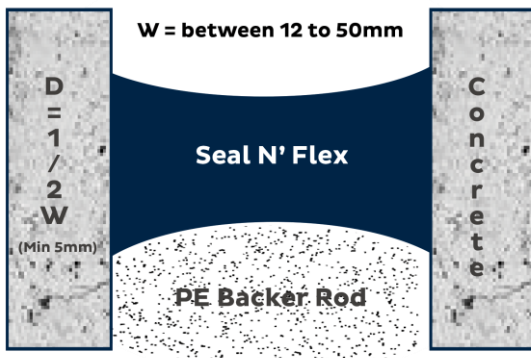
Sausage application:

1. Clip the end of the sausage and place in a barrel gun
2. Screw the end cap and nozzle onto the barrel gun
3. Use the trigger to extrude the sealant. To stop; depress the catch plate.

Apply **Bostik Seal N' Flex ADVANCE** in a continuous operation using enough pressure to properly fill the joint. Tool off the surface of the sealant with an appropriate sized spatula or trowel. A dilute finishing mixture of water and detergent may be applied to assist in the smoothing of the joint. Apply sufficient pressure to leave a smooth, consistent surface and ensure maximum contact with the interface of the joint

Joint sealing hints:

- Always use a backing rod for correct sealant geometry and contact with the substrate
- Primer after the installation of the backing rod
- Ensure maximum adhesion to bond face
- Minimum allowable joint depth is 5mm
- Maximum allowable joint width is 50mm
- Depth to width ration of 1:1 up to 12mm width and 1:2 from 12-50mm width
- Tool sealant to achieve concave shape



COVERAGE

The estimated lineal metre yield per pack size is recommended in the following table. No allowance has been made for waste or irregular joint geometry.

JOINT SIZE (D x W)	5mm x 5mm	10mm x 10mm	10mm x 20mm	25mm x 50mm
300ml Cartridge	12	3	1.5	0.24
600ml Sausage	24	6	3	0.48

W=Joint width (mm), D=Joint depth (mm), L=Length (metres)

CLEANING

The use of protective goggles, barrier creams and ointments, gloves and protective clothing is recommended. Cured material can be removed by mechanical means only. Clean off uncured material and equipment immediately after use using **Bostik Handy Wipe** towels to remove adhesive from skin.

*PAINTABILITY

Bostik Seal N' Flex ADVANCE is paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application. If **Bostik Seal N' Flex ADVANCE** is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use. For best results, we recommend painting within a few days of application.

LIMITATIONS

Not recommended for:

- PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Glazing joints, natural stone and mirrors
- Use in combination with chlorides (pools)

STORAGE AND SHELF LIFE

Store in cool (between 5°C to 25°C) dry, well-ventilated area out of direct sunlight. Store away from oxidizing agents and acids. Shelf life is 24 months for sausages and 12 months for cartridges in original unopened container.

DISPOSAL

Empty cartridges and foils may be disposed via local landfill. If spilt, absorb with clay, sand or earth. Collect and seal in properly labeled metal container. Dispose of according to local authority regulations. Do not dispose of down drains or into local waterways.

VOC INFORMATION

10.8g/litre

BOSTIK SEAL N' FLEX® ADVANCE

HEALTH AND SAFETY

CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

MAY CAUSE AN ALLERGY OR ASTHMATIC SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

Keep out of reach of children. Read label before use. Avoid breathing dust, fume, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective clothing, gloves, eye/face protection and suitable respirator. In case of inadequate ventilation wear respiratory protection.

Fire: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Spills and leaks: Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment. Absorb with sand or soil. Collect and seal in properly labeled drums. Dispose of contents/container in accordance with local, regional, national and international regulations.

If poisoning occurs, contact Poisons Information Centre.

FIRST AID

Swallowed: Do not induce vomiting, give a glass of water and seek medical advice.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation occurs, seek medical advice

Inhaled: Remove from contaminated area. Apply artificial respiration if not breathing. Seek medical advice.

Eyes: Hold eyes open and flood with water for at least 15 minutes and see doctor.

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.

BOSTIK HOTLINE

Smart help 1800 267 845



This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Australian Consumer Law (ACL). Sale of the product by Bostik is subject to the Bostik Australia Proprietary Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit www.bostik.com/au