



# SEAL N' FLEX<sup>®</sup> FACADE

## LOW MODULUS HYBRID FAÇADE SEALANT

05/06/2020

### YOUR SMART ADVANTAGES

- Meets NZBC E2/AS1
- Complies with ISO 11600/F/25LM
- BRANZ appraised: Appraisal No. 1100 [2019]
- AsureQuality – Passed AsureQuality assessment for food / beverage / dairy factory food areas non-contact with food / food contact surfaces / process waters H4309 with conditions
- Low modulus with  $\pm 25\%$  joint movement
- Excellent adhesion without primer to most, even damp surfaces
- Bubble-free, moisture curing
- Low shrinkage
- Good resistance to UV, water and weather
- Superior tooling
- High durability
- Low VOC, almost odourless
- No isocyanates, solvents and silicones
- Permanently elastic
- Paintable

### USES

Bostik Seal N' Flex<sup>®</sup> Facade is a professional quality, weather resistant, high performance expansion sealant for construction joints. This universal low modulus formula is based on the latest hybrid polyurethane technology. It cures under the influence of humidity to form a durable elastic rubber. Bostik Seal N' Flex Facade has been specifically developed for sealing expansion joints in:

- In-situ concrete and render
- Precast and tilt up panels
- Brickwork and block work
- Plasterboard face and paper lined recessed edges
- Fibre cement sheet
- Aluminium windows
- GRC, fiberglass and most specialty panel systems
- Painted wood
- Stainless steel
- Some plastics
- Enamel

### PRODUCT CHARACTERISTICS

Colour	Black, white and grey
Skin Time	90 min. @ 23°C/50% rH
Cure rate	2 - 3mm/24hours @ 23°C/50% rH
Sag or slump	Nil
Coverage	~1.5m per 300ml for a 20 x 10mm bead ~3m per 600ml sausage for a 20 x 10mm bead
Product codes	
300mL cartridge/20 per carton	
Black	30615636
White	30615639
Grey	30615635
600mL sausage/20 per carton	
Black	30615637
White	30615640
Grey	30615638

### TYPICAL PERFORMANCE DATA (APPROX)

Application temperature	5 to 40°C
Service temperature	-30 to 70°C
Shore "A" hardness	25
Elongation at break	600%
100% Modulus	0.45 N/mm <sup>2</sup>
Tensile strength	1.30 N/mm <sup>2</sup>
Total joint movement	$\pm 25\%$
Maximum joint width	50mm

# SEAL N' FLEX FACADE

## DIRECTIONS FOR USE

Read and understand the Safety Data Sheet before using this product.

Hybrid sealants are not always compatible with plasticized sealants, bitumen and some backing rods. The incompatibility may cause discolouration, poor sealant cure or long-term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials may occur.

## SURFACE PREPARATION

Joint design must conform to manufacturer's recommendations and NZBC requirements. Compatible backing rods or release tape must be used to ensure two-sided adhesion only in joints and limit joint depth. Recommended joint width to depth ratios:

Joint Width - mm	Ratio - Width to Depth
≤10	1:1
10 ≤ and ≥ 50mm	2:1

Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease. Use the two wipe cleaning process for impervious substrates. Ensure the cloths are clean and changed frequently. Use a suitable cleaner such as Bostik Solvent No.3. Although adhesion is achieved without the use of primers, priming porous substrates with Bostik Prep P improves the bond strength and durability. Masking areas to be sealed gives a neater finish.

## APPLICATION

Seal n Flex Façade should be dispensed from either the cartridge or the sausage with a caulking gun.

### Cartridge application:

Cut the top of the cartridge and screw on the nozzle. Cut nozzle at a 45° angle to the desired bead size, and place cartridge in caulking gun.

### Sausage application:

Cut the sausage tip and place in caulking gun. Screw the end cap and nozzle onto the caulking gun.

Hold the caulking gun at a 45° angle, squeeze the trigger and apply in a continuous operation, pushing sealant ahead of the nozzle, ensuring firmly placed sealant is in contact with both sides of the joint. Tool off smooth and remove masking tape before skinning occurs.

- Although not necessary, Bostik Seal N' Flex Facade is paintable with water based and most two pack paints. We recommend testing compatibility with paint prior to application. It is recommended to lightly sand the sealant and the junction surfaces prior to paint application. For best results, painting within a few days of application is recommended.

## LIMITATIONS

- Seal N' Flex Facade is NOT suitable for the following applications:
  - o Totally confined spaces where there is no atmospheric humidity, which is needed for curing
  - o Adhering mirrors
  - o Glazing applications
  - o PE, PP, PC, PMMA, PTFE, soft plastics, natural stone, neoprene and bituminous substrates.
  - o Use in combination with chlorides (pools and spas)
  - o Under water applications
  - o Below grade applications
  - o Trafficable surfaces – Use Bostik Seal 'n Flex FC
  - o Re-sealing over silicone sealants
- Seal N' Flex Facade has a movement capability larger than a normal paint film. Cracking of the paint film may occur if the joint is moving.
- Some high build elastomeric paints contain plasticisers, which may affect the sealant. Prime the sealant with a pure acrylic paint first.
- Do not apply in the same area that silicone has recently been applied. Fumes from the silicone can affect the cure of the MS and may ultimately lead to premature failure.
- Testing of new substrates is recommended especially painted, plastic and acrylic substrates.

## CLEANING

Remove excess sealant using Bostik No.3 Solvent. Do not use isopropyl alcohol to clean around uncured sealant. Cured sealant can only be removed mechanically. Use Bostik Handy Wipes to remove sealant from tools and skin.

## STORAGE AND SHELF LIFE

Store in a cool dry place between +5°C and +25°C out of direct sunlight in unopened packaging. Shelf life is up to 15 months from production date when stored as directed.

## DISPOSAL

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

## MAINTENANCE

Do not clean or treat Seal N' Flex Facade with materials, cleaning agents or solvents that may affect or discolour the product. This includes, but is not limited to, bleach containing cleaners, solvents and paint fumes.

Exterior: Rain washing plus manual washing every year. Severe environments may require more frequent washing.

Interior and exterior: yearly inspection and repair of defects as found is required.

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## PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit [www.bostik.com](http://www.bostik.com) for copies.

Seal 'N Flex Facade is not classified as Dangerous Goods or as a Hazardous Substance. The product however, should be used in accordance with good occupational, health and safety practices.

Do not swallow and avoid prolonged or repeated contact with the skin.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth with water, do not induce vomiting.

For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.

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 be excluded by legislation, for example under the Consumer Guarantees Act 1993. Sale of the product by Bostik is subject to the Bostik New Zealand Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit [www.bostik.co.nz](http://www.bostik.co.nz).

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