



SEAL'N'FLEX Facade

FACADE WITH ICON TECHNOLOGY

DESCRIPTION

Bostik Seal 'N' Flex Facade is based on Bostik's new generation chemistry ICON Technology. A one component high performance facade joint sealant, Seal 'N' Flex Facade, has an excellent bonding performance on various substrates (PVC, metal, concrete, wood, glass and natural stones). It has permanent elasticity with a class **C50** rating (movement capability of +/- 50%). Being high-modulus, it has better tensile adhesion strength to hold two similar or dissimilar substrates versus conventional silicone sealants.

Bostik Seal 'N' Flex Facade provides long-term durability, weatherproof and waterproof features and UV stability with a high level of elastic recovery. It is multi-purpose and ideal for internal and external facade sealing applications such as aluminium composite panels (ACP), precast concrete, glass to glass joints (not structural glazing) and natural stone joints.

Bostik Seal 'N' Flex Facade can be applied to concrete joints, e.g. precast concrete as sealing compound with minimal shrinkage and no bubbling. It can also be applied on damp surfaces.

FEATURES AND BENEFITS

- Superior adhesion to both porous and non-porous substrates
- Can be applied to damp surfaces
- Very low dirt pick-up
- Non-staining and non-streaking
- Paintable

RECOMMENDED USES

- Façade Joints
- Aluminum Composite Joints
- Precast Concrete Joints
- All concrete joint sealing
- Mortar, tile and waterproofing joint sealing

JOINT DESIGN AND PREPARATION

- The joint must be designed to suit the movement capability of the sealant. In general, the joint width must be in between 10 mm and 35 mm.
- The width to depth ratio of ~ 2:1 must be maintained by the polyethylene back rod foam profiles
- Polyethylene back rod foam profiles definitely



prevents Bostik Seal 'N' Flex Facade a three flank adhesion. All other pre-filling materials should be in compliance with Bostik Seal 'N' Flex Facade

- All joints must be properly designed by the specifier or the contractor in accordance with the relevant industry standards, building codes and application guidelines.
- The triangle joints should be closed
- Bostik Seal 'N' Flex Facade is primer-less. However due to some local circumstances Bostik 5075 Primer can be needed for porous surfaces.
- For example for anodic aluminium, concrete, galvanized steel sheet, hard PVC, polystrol and for makrolon a primer can be also needed. Please contact Bostik Technical Service.
- All surface materials should comply with Bostik Seal 'N' Flex Facade. For example, bituminous and greasy products may not be complied.
- The adhesion and compatibility with plastic materials should be tested.
- The compatibility of coated surface applications (for example, hydrophobic facades) should be pre-tested.
- In especially acrylic coating materials, some adhesion loss may occur due to the adhesive material.
- The application surfaces should be homogenous, sound, stable, clean, dry and grease, oil and dust-free.
- Cement laitance, residues of mortar must be removed.
- In order to provide a smooth filling, both sides can be taped.

Please Note : Primers are only adhesion promoters. They neither substitute for the cleaning of the surface nor improve the strength of the sealant significantly.

Correct primers obtain long term performance of the

APPLICATION INSTRUCTION

- After suitable joint and substrate preparation, before application the back rod has to be positioned exactly according to the joint design to required depth
- Apply primer if necessary.
- Before the application, cut the tip of the cartridges and screw plastic nozzle onto the cartridge
- The tip of the cartridge is cut according to the width of the joint and then insert the cartridge to the cartridge gun and squeeze the trigger until the sealant appears
- The sausage package is cut from one edge and fixed to a suitable gun
- Apply the sealant smoothly, with even pressure along the prepared joints ensuring no air is trapped behind the sealant
- The joints should be filled at one time and without gaps during the application.
- Please be sure that the sealant is full contact with the side of the joint.
- And then tool firmly against joint sides to ensure good adhesion.
- Tapes must be used where sharp exact joint lines are required. Remove the tapes whilst the sealant is still fresh.
- Slick joint with smoothing liquid for a perfect finishing and joint sealing
- The surface of Bostik Seal 'N' Flex Facade applied in the joints should be smoothed with a dampened spatula, glazing tool, joint iron or by hand immediately.
- The opened packages should be consumed as quickly as possible.

LIMITATIONS

- Before using on natural stone, granite and marble please contact Bostik Technical Service
- It is not recommended to use Bostik Seal 'N' Flex Facade for swimming pools, water tanks and joints with water pressure or permanent water immersion.
- To maintain the required maximum movement capability, the joint sealant should not be over coated completely. If it is needed only the joint sides should be over coated to up to 1mm width.
- For all over paintable sealants, compatibility between the sealant and the paint type should be checked.
- Deviations in colors may occur due to exposure to chemicals, high temperatures, UV radiation. However a change in color will not relate to effect the technical performance or the durability of the cured sealant.
- Bostik, is not responsible or liable under any circumstances for determining the merchantability or suitability of the Bostik Seal 'N' Flex Facade or compatibility with the other Bostik and/or any other supplier products for the customer's intended purpose.
- Customer shall determine the suitability of the Bostik Seal 'N' Flex Facade for the intended use and assume all risks and liability in connection therewith.

CLEANING

- The contaminated areas and used tools should be cleaned with white spirit or alcohol within 10 minutes.
- It is cleaned only mechanically after cured.

STORAGE and SHELF LIFE

- The product should be protected from direct contact with water, frost and adverse air conditions.
- The original packs should be kept dry and cool on wooden pallets at between +5°C and +25°C in moisture free conditions.
- The opened products should be consumed immediately.
- Maximum 8 boxes are stacked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

CAUTION

Do not swallow. Use with adequate ventilation. Wear protective clothing during applications. Wash thoroughly after usage.

FIRST AID TREATMENT

Avoid skin and eye contact. On Contact, uncured sealant could cause irritation to skin and eyes. If in eyes or on skin, rinse with water for at least 15 minutes. If breathed in, move person to fresh air. For skin contact, remove sealant with a paper towel. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

Refer to Safety Data Sheet (SDS) for further information

KEEP OUT OF THE REACH OF CHILDREN

| Technical Information | |
|---|--|
| Packaging | 290 ml / cartridge 600 ml / alu-foil (sausage) |
| Base | ICON Technology |
| Color | White / Grey / Black |
| Density | 1,50 gr / ml |
| Skin Formation Time | ~ 40 min |
| Curing Speed | 3 mm / 24h |
| Movement Capability Elongation Rate (ISO 9047) | ± 50% |
| Shore A Hardness | 40 ~ 50 |
| Tensile Strength (ISO 527) | > 1,50 MPa |
| Elongation @ Break | > 300 % |
| E-Modulus @ 100 % Elongation (ISO 8339) | 0,6 ~ 0,8 MPa |
| Elastic Recovery (ISO 7389) | > 80 % |
| Sagging (EN ISO 7390) | 0 |
| Application Temperature | + 5 °C ~ + 40 °C |
| Service Temperature | - 40 °C ~ + 100 °C |

LIMITED WARRANTY

Bostik warrants only the purchased Bostik Seal 'N' Flex Facade :

- has proper quality
- is free from manufacturing defects
- meets the technical properties on the current Technical Data Sheet

when it is used as directed within its shelf life and in accordance with Bostik 's application instructions and data sheets on date of purchase Bostik, warrants to manufacture the Bostik Seal 'N' Flex Facade according to local and/or international quality control criteria / standards / norms and/or Bostik 's intern recognized and reputable quality control standards. Expected and anticipated properties and features of the Bostik Seal 'N' Flex Facade depends not only upon quality of the supplied product, but also upon many factors beyond Bostik control. Bostik, will not pay or be liable under any circumstances for incidental, consequential, special or exemplary damages or for lost profits or business interruption loss. No presentation, promise, affirmation or statement by any Bostik employee or agent of Bostik will be enforceable against Bostik.

Bostik does not authorize anyone, including Bostik representatives, to make any statements, which may supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the Bostik Management.

All information provided by Bostik concerning Bostik Seal 'N' Flex Facade, including but not limited to, any recommendations and advice relating to the application and use of Bostik Seal 'N' Flex Facade, is given in good faith based on Bostik's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Bostik 's application instructions and data sheets.

DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect and alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

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