



Bostik

SEAL 'N' FLEX[®] FACADE H725

LOW MODULUS HYBRID CONSTRUCTION SEALANT

6th August 2021

YOUR SMART ADVANTAGES

- UV, moisture and weather resistance
- Bubble free curing
- Low modulus
- ±50% joint movement on glass, concrete & aluminum
- Free of isocyanates, silicones & solvents
- Easy tooling
- Permanently elastic
- Excellent adhesion without primer to most, even damp, surfaces
- Paintable*

USES

Bostik Seal 'N' Flex[®] Façade H725 is a high quality professional low modulus sealant based on hybrid technology. It cures under the influence of humidity to form a durable elastic rubber. **Bostik Seal 'N' Flex Façade H725** is resistant to weathering conditions such as rain, UV, snow, sleet, ozone, atmospheric contamination and pollution. Can be used on:

- Insitu concrete floors and walls
- Precast and tilt up panels
- Glazing application
- Brickwork and blockwork
- Rendered masonry
- Plasterboard
- Fiber cement sheet

CERTIFICATIONS

- ASTM C920
- ASTM C1248
- F-EXT-INT-CC 25LM: EN 15651-1 for Façade Joints
- PW-EXT-INT-CC 25LM: EN 15651-4 for Pedestrian Walkways
- EMICODE EC1 PLUS
- SNJF F25E
- Branz Appraisal: natural weathering test for up to 11 years and accelerated weatherometer (UV) aging test for up to 7000 hours.

PRODUCT CHARACTERISTICS

Viscosity	Non-sag, smooth thixotropic paste
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Cure method	Moisture curing
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Application temperature	5 to 40°C
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Product codes

290ml cartridge/ 20 per carton

Grey	30619351
White	30619353
Black	30619349

600ml sausages/ 20 per carton

Grey	30619352
White	30619354
Black	30619350

TYPICAL PERFORMANCE DATA (approx.)

Temperature resistance	-30 to +70°C
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Skin time	90 minutes
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Cure rate @ 23°C/50%RH	2-3mm/24 hours on porous substrates
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Full cure	7 days on porous substrates. Allow 14 days in joints over 20mm wide.
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Specific gravity	1.34 g/ml
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Shore A hardness	25
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100% Modulus	0.45 N/mm ²
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Tensile strength	1.3 N/mm ²
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Elongation at break	600%
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Total joint movement	±50%
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Maximum joint width	Up to 50mm
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BOSTIK SEAL 'N' FLEX® FAÇADE H725

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

1. Application temperature + 5°C to + 40°C (applies to environment and substrates)
2. Clean and dry all surfaces by removing foreign matter and contaminants such as laitance oil, dust, grease, frost, water, dirt, old sealants, curing agents and any protective coating
3. Dust and loose particles should be vacuum cleaned.

PRIMING

Bostik H725 Seal 'N' Flex Façade H725 adheres perfectly without the use of a primer to most porous & non-porous substrates. Some porous substrate may require pre-treatment with **Bostik Simson Prep P** (refer to Bostik Simson Prep P Technical Data Sheet for more details) Always test adhesion prior to application.

IMPORTANT: For optimum adhesion and in areas of critical, high performance applications such as high stress joints, extreme weather exposure or surfaces that are too porous, the use of substrate primer is required.

APPLICATION

Bostik Seal 'N' Flex Façade H725 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 sealant 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. Apply sufficient pressure to leave a smooth, consistent surface and ensure maximum contact with the interface of the joint

Tool the sealant with adequate pressure to spread the sealant against the back up material and onto the joint sides. Excess sealant should be wiped from all surfaces while still uncured. Remove any masking tapes prior to sealant curing

JOINT SEALING

A joint with the correct dimensions is able to absorb movements between building materials. Always use a backing rod for correct sealant geometry and contact with the substrate.

- Prime after the installation of backing rod
- Ensure maximum adhesion to the bond face
- Minimum allowable joint depth is 5mm
- Maximum allowable joint width is 50mm
- Tool sealant to achieve concave shape



Joint Width to Depth ratio:

Width	Depth
Min 5mm to 10mm	1:1 ratio i.e. A 10mm width will require 10mm depth
>10mm, up to 50mm	Depth (mm) = $\frac{\text{Width (mm)}}{3} + 6$ i.e. A 16mm joint width will require a 12mm depth: Depth (mm) = $\frac{16}{3} + 6 = 12\text{mm}$

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

W=Joint width (mm). D=Joint depth (mm).

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CLEANING

Clean off uncured material, hands and equipment immediately after use using **Bostik Handy Wipe towels**. Cured material can be removed by mechanical means only.

PAINTABILITY

Bostik Seal 'N' Flex Façade H725 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 Façade H725** is being painted over (not necessary), it is recommended to 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:

- Use in chlorinated water such as swimming pools, spas, etc.
- PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Application to cement based substrates within 28 days of initial pour or set
- Applied in temperatures below 5°C or above 40°C
- Applied to joints less than 5mm in width and depth
- Applied on joints larger than 50mm

As all substrates and conditions are different, it is strongly recommended that the applicator, or end user conducts their own tests and ensure the product meets their own end use requirements

STORAGE AND SHELF LIFE

Store in cool (between 5°C to 25°C) dry, well-ventilated area out of direct sunlight. Shelf life is 15 months from production date in original unopened packaging and correct storage conditions.

VOC INFORMATION

1.8 g/L

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