



# Bostik

## SEAL 'N' FLEX<sup>®</sup> PREMIUM P795

### HIGH PERFORMANCE POLYURETHANE SEALANT & ADHESIVE

29<sup>th</sup> September 2022

#### YOUR SMART ADVANTAGES

- High modulus
- Bubble free curing
- ±50% joint movement
- Sag free
- Easy tooling
- Permanently elastic
- High mechanical resistance
- 2 in 1 application
- UV resistant
- Paintable\*
- Made in Australia

#### USES

**Bostik Seal 'N' Flex<sup>®</sup> Premium P795** is a new generation, high modulus polyurethane sealant and flexible adhesive in one. Designed for sealing construction and expansion joints and joints in pedestrian walkways. It can also be used as an elastic adhesive for most common building materials. When cured it will form a durable seal capable of cyclic expansion and compression movement of ±50%.

**Bostik Seal 'N' Flex Premium P795** can be used on:

- Insitu concrete and render
- Precast and tilt up panels
- Brickwork and block work
- Plasterboard face and paper lined recessed edges
- Fibre cement sheet
- Production areas that need some acid/solvent resistance
- Pedestrian walkways
- Airport runways
- Aluminium windows
- Granite, sandstone and marble
- GRC, fiberglass and mostly specialty panel systems
- Adhesive for floor trims, skirting boards and other common building material such as concrete, wood, aluminium, brickwork etc.

#### CERTIFICATIONS

- ASTM C920
- ASTM C1248
- F-EXT-INT-CC 25HM: EN 15651-1 for Façade Joints
- PW-EXT-INT-CC 25HM: EN 15651-4 for Pedestrian Walkways
- DIN 52 452 - Resistance in aviation fuel, some acids, and solvents (internal)
- BS 5212 - Resistance to fuel immersion of sealant
- AS/NZS 4020:2018 Potable water
- ISEGA - Direct contact to foodstuffs

Version 2

Bostik Australia Pty Ltd, Level 1, 6 English Street, Essendon Fields, Victoria, 3041, Australia. [www.bostik.com/au](http://www.bostik.com/au)

#### PRODUCT CHARACTERISTICS

Viscosity	Non-sag, smooth thixotropic paste
-----------	-----------------------------------

Cure method	Moisture curing
-------------	-----------------

Application temperature	5 to 40°C
-------------------------	-----------

#### Product codes

##### 300ml cartridge/ 20 per carton

Grey	30619363
White	30619372
Black	30619361

##### 600ml sausages/ 20 per carton

Grey	30619364
White	30617376
Black	30619362

#### TYPICAL PERFORMANCE DATA (approx.)

Temperature resistance	-30 to 80°C
------------------------	-------------

Skin time	90 minutes
-----------	------------

Cure rate	2.5-3mm/24 hours
-----------	------------------

Full cure	7 days on porous substrates. Allow 14 days in joints over 20mm wide.
-----------	--

Specific gravity	1.25-1.35 g/ml
------------------	----------------

Shore A hardness	30-35
------------------	-------

100% Modulus	0.50 N/mm <sup>2</sup>
--------------	------------------------

Tensile strength	>1.6 N/mm <sup>2</sup>
------------------	------------------------

Elongation at break	> 800%
---------------------	--------

Total joint movement	±50%
----------------------	------

Maximum joint width	Up to 50mm
---------------------	------------

# BOSTIK SEAL 'N' FLEX® PREMIUM P795

## DIRECTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting [www.bostik.com.au](http://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 Seal 'N' Flex Premium P795** adheres perfectly without the use of a primer to most porous & non-porous substrates. 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.

### Porous substrates:

1. Absorbent or porous substrates will allow a bead of water to easily soak into and wet out the surface of the substrate
2. For maximum performance on porous surfaces and in all periodically immersed and submerged applications, use **Bostik N49 Primer** (refer to the Bostik N49 Primer Technical Data Sheet)
3. Porous substrates not subject to immersion or ponded water e.g. vertical expansion joints in concrete or masonry structures will not require priming if clean, dry and uncontaminated

### Non-porous substrates:

1. Non-absorbent substrates will cause a bead of water to be retained on the surface of the substrate as a raised droplet. The droplet does not easily soak into the surface of the substrate.
2. **Bostik N40 Primer** is recommended for non-porous plastic and metal substrates e.g. u-PVC outlets and pipe work, brass, copper fittings, stainless steel trays and flashings (refer to the Bostik N40 Primer Technical Data Sheet).
3. Prime plastics and metallic non-porous substrates with **Bostik N40 Primer** using the two-cloth method described in the Bostik N40 Primer Technical Data Sheet

## APPLICATION

**Bostik Seal 'N' Flex Premium P795** 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 Premium P795** 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

### Construction adhesive applications:

**Bostik Seal 'N' Flex Premium P795** does not need to be applied to both surfaces to be bonded, but both surfaces must be prepared in accordance with preparatory work. Apply in beads to the prepared substrate. Materials being adhered can be bonded immediately or left open for up to 15 minutes after application prior to bonding. If no mechanical fixing is to be used in conjunction with adhesive, clamping is necessary until full cure is achieved. Use only enough sealant to achieve adequate bond (dependent on surface texture). Excess sealant can be removed by dry cloth or solvent wipe before curing. If adhesive is to be exposed, smooth off with spatula or putty knife to flush finish.

### Construction sealant applications:

**Bostik Seal 'N' Flex Premium P795** is especially suitable for vertical joint sealing or in flooring applications such as saw cuts jointing. More joint movement can be accommodated in a thin bead of sealant than in a thick bead. Ensure the correct ratio of joint width of sealant to depth. 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. Install back up material or joint filler, as specified.

## JOINT SEALING

A joint with the correct dimensions is able to absorb movement 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



# BOSTIK SEAL 'N' FLEX® PREMIUM P795

## Joint Width to Depth ratio:

Width	Depth
Min 5mm to 10mm	<b>1:1 ratio</b>  i.e. A 10mm width will require 10mm depth
>10mm, up to 50mm	<b>Depth (mm) = <math>\frac{\text{Width (mm)}}{3} + 6</math></b>  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).

## 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 Premium P795** can be painted after a minimum of 7 days. Coatings containing solvents such as enamels, oil based or other coatings may cause the surface of the sealant to react creating a tacky surface. Surface coatings may discolour in direct contact with cured **Bostik Seal 'N' Flex Premium P795**. Surface coatings may crack and craze as a result of cyclical movement of supporting sealant joint. A field test is recommended to ensure compatibility of any coating with **Bostik Seal 'N' Flex Premium P795**.

## 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
- Constantly immersed salt water
- Use for glazing applications
- Application to cement based substrates within 28 days of initial pour or set
- Applied in temperatures below 5°C or above 40°C
- Exposure to water and/or alcohol before it has completely cured
- Applied to joints less than 5mm in width and depth
- Applied on joints larger than 50mm
- Bostik Seal N Flex Premium White may yellow on the surface if exposed to strong natural or artificial UV light for prolonged periods of time.

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

2.4 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](http://www.bostik.com/au)