

# PU Seal

## Polyurethane Sealant

### Product Description:

Bostik PU Seal is a polyurethane-based, one-component sealing material with excellent waterproofing and adhesion qualities. It is cured with the air humidity and can be used indoors and outdoors.

### Areas of applications:

- Developed for use in constant gaps and moveable joints in construction sector
- In the joints of concrete prefabricated construction materials
- In the building materials and blocks, and for filling the joints that are left open as working and settlement allowance
- In buildings, for filling the gaps between details and blocks constructed for decorative and constructive purposes
- In connection areas of the wall and the floor in balconies and terraces
- For filling the joints in the constructions like bridge piers, barrages, tunnels, concrete roads, etc.
- It should not be used in the materials that are high in plasticized material and not resistant to abrasion and cracking.

### Features:

- A ready-to-use, one component sealing material
- Maintains its elasticity for years without any volume loss
- No sagging may occur; resistant to aging and abrasion
- Unaffected by temperature fluctuations (between -40°C and +80°C) and many chemical materials (diluted).

### Technical data:

Colour	White (RAL 9003) Black (RAL 8022) Grey (RAL 7047) Brown (RAL 8025)
Tensile Strength MPa (kg/m <sup>2</sup> ) (DIN 53504)	≥ 1,0
Elasticity (%)	≥ 500
Shore A Hardness	~ 40 - 45
Density, gr/m <sup>3</sup>	1,25 ± 0,05
Skin Formation Time (min) (at +23°C and 50% relative humidity)	~ 60
Curing Speed (mm/day) (at +23°C and 50% relative humidity)	Appr. 3
Heat Resistance	Between -40°C and +80°C
Running Temperature	Between +5°C and +35°C

Technical data are approximately provided according to a temperature of + 20°C and a relative humidity of 50%.

### Preparation of the substrate:

- The application surfaces should be strong, sound, stable, clean, dry and grease- and dust-free.
- Both sides can be taped in order to obtain a smooth filling.
- When necessary, the closed cartridges can be heated in a water vessel up to +10°C and +20°C.
- In coated floor applications (for example, hydrophobic facades), a pre-control is needed for the compatibility.
- In especially acrylic coating materials, some adhesion loss may occur due to the softening material.

### Application:

- The tip of the cartridge is cut and a plastic cap is fixed prior to use.
- The tip of the cap is cut according to the width of the surface and fixed to the cartridge gun.
- The cartridge is attached to the gun after the metal lid at the bottom is removed.

Warning: Bostik is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. It is not possible to give a guarantee for the results of operations for individual cases, due to multiplicity of possible uses and storage and processing conditions of the product, which are not under our control. Where necessary, the user should make their own tests. Due to local regulations, product performance may vary from country to country. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved. In cases concerning the safety of the products, the material safety data sheet (MSDS) containing this information should be consulted.



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- The joints should be filled at one time and without gaps during the application.
- The package of the sausage is cut from one edge and fixed to the suitable gun.
- The cap nut is screwed to the cylinder of the gun afterwards.
- After the joints are filled with PU Seal, the surface is smoothened with a spatula or a wet sponge immediately.
- The adhesive tape should be removed afterwards.
- The opened packages should be consumed as quickly as possible.
- The application is recommended at between -10°C and +40°C.
- Do not apply outdoors in rainy weather.

#### **Cleaning after the application:**

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

#### **Coverage:**

The amount of use varies according to the joint sizes.

Width of joints (mm)	Depth of joints (mm)	Length of joints (m) 280 ml cartridges	Length of joints (m) 600 ml sausages
5	8	~4	~8
15	8	~2,5	~5
20	10	~1,2	~2,5
15	12	~0,8	~1,6
20	15	~0,6	~1,3

#### **Packaging:**

In 280 ml composite cartridges / 25 pcs in one box

In 600 ml sausages / 20 pcs in one box

#### **Storage:**

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden palettes at between +10°C and +25°C.
- The opened products should be consumed immediately.
- Maximum 8 boxes are stacked on each other.
- Shelf life is maximum 9 months conditional to complying with the abovementioned storage conditions.

#### **Health and Safety Information**

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.

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