



## BOSS<sup>®</sup> PU CONSTRUCTION SEALANT

### TECHNICAL DATA

Basis	Polyurethane
Consistency	Stable paste
Curing System	Moisture curing
Density	1.20 ± 0.06 g/ml
Skin Formation Time* (23°C/50% R.H.)	30-90 min
Curing Rate * (23°C/50% R.H.)	2-3 mm/24 hours
Slump	None (or) <3 mm
Hardness, Shore A Points** (ISO 868)	35 ± 5
Tensile Strength** (ISO 37)	2.0 ± 0.5 N/mm <sup>2</sup>
Elongation at break** (ISO 37)	>600 %
Temperature Resistance**	-30 °C → 90 °C
Application temperature	5 °C → 40 °C

\* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

\*\* This information relates to fully cured product.

### Description

BOSS<sup>®</sup> PU Construction is a high-performance, one-component polyurethane sealant designed for a variety of construction applications. It cures with atmospheric moisture to form a durable and flexible seal. This sealant offers excellent adhesion properties and is suitable for bonding and sealing a wide range of materials.

### Properties

- Excellent workability
- High flexibility
- Very good adhesion on many materials without primer
- Excellent resistance to UV radiation
- Paintable

### Applications

- Expansion joints in building with high movement, highway, water conservancy project
- Bonding and joint sealing for precast panel, wood, aluminium and PVC joinery seams, curtain walls, concrete roof tiles in construction area
- Connection joints between window- and doorframes and walls
- Expansion joints for other traditional construction materials

### Packaging

Colour: White, grey, other colours on request.  
Packaging: 600 ml sausage.

### Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C & +25°C.

### Substrates

**Substrates:** All usual building substrates, brick, concrete, metals.

**Nature:** Rigid, clean, dry, free of dust and grease.

**Surface preparation:** Apply primer on porous substrates. Always use primer on natural stone, no primer on non-porous substrates. We recommend a preliminary adhesion test on every surface.

### Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.



TECHNICAL  
DATA SHEET

**BOSS**<sup>®</sup>  
PRODUCTS

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### Application method

**Application method:** With manual or pneumatic caulking gun.

**Cleaning:** Clean with surface cleaner immediately after use (before curing).

**Finishing:** With a soapy solution before skinning.

**Repair:** With the same material.

### Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label for more information.

### Remarks

- When painted with oxidative drying paints, disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).
- It is recommended to do a compatibility test prior to application.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.
- Do not apply or cure in the presence of uncured silicone sealants, alcohol or other solvent cleaners.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

**Disclaimer:** This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

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