



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

### TECHNICAL DATA

#### Uncured

Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin Formation Time* (23°C / 50% R.H)	40 min
Curing Rate* (23°C / 50% R.H)	2mm / 24 hours
Density**	1.24 g/ml

#### Cured-Physical

Hardness, Shore A	29 ± 5
Elastic recovery (ISO 7389)	> 80 %
Maximum Allowed Distortion	± 25 %
Max. tension (ISO 37)	1.16 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)	0.60 N/mm <sup>2</sup>
Elongation at break (ISO 37)	> 800 %
Temperature resistance**	-30 °C → 90 °C
Application temperature	5 °C → 30 °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 PU LM Construction is a high quality, elastic, one-component sealant based on polyurethane.

### Properties

- Very easy to apply
- Permanently elastic after curing
- Very good adhesion on many materials
- Excellent resistance to UV radiation
- Excellent resistance to many chemicals

### Applications

- All usual building joints with high movement
- Connection joints between window- and doorframes and walls
- Expansion joints between many different construction materials

### Packaging

Colour: Concrete grey, other colors 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.



## BOSS® PU LM CONSTRUCTION SEALANT

### 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.

### Application method

Application method: With manual- or pneumatic caulking gun.

Cleaning: Clean with White Spirit 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).
- BOSS PU LM has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- 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.

### Environmental clauses

Leed regulation:

BOSS PU LM conforms to the requirements of LEED. Low -Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low- Emitting Materials – Adhesives & Sealants concerning the VOC-content.

### Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

**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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