



BOSS® PU 25 POLYURETHANE SEALANT

TECHNICAL DATA

Basis	Polyurethane
Consistency	Stable paste
Curing System	Moisture curing
Density	1.38 g/ml
Skin formation time* (23°C/50% R.H.)	45 min
Curing speed* (23°C/50% R.H.)	4 mm/24h
Flow, Sag, or Slump (mm)	Nil
Hardness, Shore A points** (ISO 868)	35 ± 5
Tensile Strength** (ISO 37)	2.30 N/mm ²
Elongation at break** (ISO 37)	850 %
Maximum allowed distortion (ISO 11600)	± 20 %
Temperature resistance**	-30 °C → 90 °C
Application temperature	5 °C → 35 °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 25 is a high-performance, one-component, polyurethane-based, non-sag elastomeric sealant used in construction, and automobile industry.

Properties

- Very easy to apply
- Permanently elastic after curing
- Excellent resistance to UV radiation
- Very good adhesion on various substrate
- Excellent resistance to wide range of chemicals

Applications

- Versatile Industrial application
- Provides reliable bonding and sealing for vibrating assembly such as vehicle body work, caravans, and containers.
- Ideal for securely bonding upright components
- Effectively replaces traditional welds or spot welds

Packaging

Colour: White, black, grey.
Packaging: 600 ml sausage.

Shelf life

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

Substrates

All types of metals. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

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

Surface preparation: BOSS® PU 25 has a good adhesion to most substrates. All smooth surfaces can be treated with Surface Activator.

Application Method

Application method: With a manual, pneumatic or accu caulking gun.

Cleaning: Clean with Boss cleaner immediately after use

Finishing: With a soapy solution or finishing solution before skinning.

Repair: With the same material.

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Health and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- BOSS® PU 25 is paintable with most waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- BOSS® PU 25 can not be used as a glazing sealant.
- Do not use in applications where continuous water immersion is possible.
- It is recommended to do a compatibility test prior to application.
- BOSS® PU 25 has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Do not apply or allow to 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 25 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.

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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