

BOSS® PU 50 POLYURETHANE SEALANT

TECHNICAL DATA

Basis	Polyurethane
Consistency	Stable paste
Curing System	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 70 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness**	Ca. 50 ± 3 Shore A
Density	1.30 g/ml
Elastic recovery (ISO 738 9)	> 80 %
Maximum allowed distortion	± 20 %
Max. tension (DIN 53504)	1.65 N/mm ²
Elasticity modulus 100% (DIN 53504)	1.50 N/mm ²
Elongation at break (DIN 53504)	Ca. 400 %
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 50 is a strong and permanently elastic polyurethane adhesive for bonding and sealing in the construction, automotive and transport industry.

Properties

- Medium open time
- High viscosity
- Applicable in warm and humid climate
- Permanently elastic after curing
- Good weather and UV resistance
- Watertight
- Excellent resistance to many chemicals
- Can be painted with all water-based paints and many other systems (to be tested)
- Very good primerless adhesion on many materials such as aluminium, steel, GRP, epoxy coatings etc.

Applications

- Supple bonding and sealing in vibrating constructions in car bodies, caravans & containers
- Also Bonding of upright parts
- For bonding container elements, car body parts, windscreens, wheel arch extensions, etc
- Replaces the traditional weld or spot weld

Packaging

Colour: White, black, grey

Packaging: 600 ml sausage, other packaging on request.

Shelf life

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



**TECHNICAL
DATA SHEET**

BOSS®
PRODUCTS

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Substrates

Substrates: all metals, epoxy coatings, polyesters,... There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate. Nature: clean, dry, free of dust and grease. Surface preparation: All smooth surfaces can be treated with a Surface Activator.

Application method

Application method: With manual- or pneumatic caulking gun. Cleaning: Clean with a Surface Cleaner, immediately after use. Finishing: With a soapy solution before skinning. Repair: With the same material

Health and Safety Recommendations

Take the usual labour hygiene into account. Use only in well-ventilated areas. Consult the packaging label for more information.

Remarks

- BOSS PU 50 may be overpainted with water-based paints. However, due to the large number of paints and varnishes available, we strongly suggest a compatibility test before application.

When painted with oxidative drying paints,

- disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).

Remove all traces of soap (tooling) because it will

- harm the adhesion of the paint onto the sealant.

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.

Accumetric Silicones Pvt Ltd

No. 16/1, Corporation Road, Seevaram, Perungudi,
Chennai - 600 096, Tamil Nadu, India.
Customer Support: +91 44 4026 0345 - 60
indiasales@bossproducts.com
www.bossproducts.in