



BOSS[®] PU 65 POLYURETHANE ADHESIVE/ SEALANT

TECHNICAL DATA

Basis	Polyurethane
Consistency	Paste
Curing system	Moisture curing
Density**	1.25 g/ml
Curing speed* (23°C/50% R.H.)	3.5 mm/24h
Skin formation time* (23°C/50% R.H.)	30 - 40 min
Hardness, Shore A points** (ISO 868)	55
Tensile Strength** (ISO 37)	8.0 N/mm ²
Shearing resistance	4.0 N/mm ²
Tearing resistance	>17 N/mm
Elongation at break (ISO 37)	>400 %
Application temperature**	5 °C to 35 °C
Temperature resistance	-30 °C to 90 °C

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

** This information relates to fully cured product.

Product Description

BOSS[®] PU 65 is a single-component, Polyurethane-based elastic polymer designed to cure upon exposure to atmospheric humidity. This curing process results in the formation of a flexible & resilient bonding, offering excellent adhesion across a wide range of materials.

Properties

- High end strength
- Exhibits strong adhesion properties on a variety of substrates, including metals (both naked and varnished), aluminum, PVC, glass, and more.
- High modulus
- Good weather resistance

Application

- BOSS[®] PU 65 is highly recommended for the bonding and sealing of the windscreen and side windows in the automotive and rail coach.
- Excellent sagging resistance, can be applied on vertical surfaces without dripping or losing its bond strength.
- Suitable for use in bus, rail and container construction, offering robust performance against moisture and movement.

Packaging

Colour: Black.

Packaging: 600 ml sausages & 310 ml alu. cartridge.

Storage and shelf life

9 months in unopened packaging in a dry and cool storage at temperature between 5°C to 25°C.

Substrates

Substrates: All metals, epoxy coatings, polyesters, ... There is no adhesion on PE, PP, PTFE (Teflon[®]) and bituminous substrates. No adhesion on glass and PVC. We recommend a preliminary adhesion test on any substrate.

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

Surface preparation: All smooth surfaces can be treated with Surface Activator.

Application Method

Application method: With manual- or pneumatic 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 65 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.

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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