



## BOSS<sup>®</sup> 231

### TECHNICAL DATA

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing System	Polymerisation through moisture
Skin formation time* (23°C/50% R.H.)	15-25 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness Shore A points** (ISO 868)	25-30
Density	1.40-1.44 g/ml
Tensile Strength** (ISO 37)	1.5 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	>550 %
Temperature resistance**	-40°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 231 is a single-component, moisture-curing hybrid sealant designed for high-performance sealing and bonding applications. It is a non-sag sealant that skins and cures rapidly to form a tough, durable, and permanently elastic rubber-like seal. This product offers excellent UV resistance, long-term weather durability, and strong adhesion without primer, making it ideal for demanding automotive and transportation sealing and bonding applications.

### Properties

- Excellent Flexibility & Non-sag
- Paintable after curing
- Primeless adhesion on most substrates
- Low VOC
- High performance mechanical properties

### Applications

- Bonding and sealing in vibrating automotive industry, such as for bus body, caravans and containers.
- Bonds well without primer to wide variety of substrate.

### Packaging

Colour: White & black

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

Substrates: many porous and non-porous substrates, metals, aluminium, wood, PVC, ... Nature: rigid, clean, dry, free of dust and grease. Surface preparation: Prepare non-porous surfaces with a surface activator or cleaner. Porous surfaces should be primed with Primer. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

### Application

Application method: With manual- or pneumatic caulking gun. Cleaning: Clean with white spirit or surface cleaner immediately after use (before curing).

Finishing: With a soapy solution or finishing solution before skinning. Repair: With the same material.

### Health and Safety Recommendations

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

**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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