



BOSS® 235

TECHNICAL DATA

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing System	Polymerisation through moisture
Skin formation time* (22°C 45-55% R.H.) (min)	25
Curing speed * (22°C 45-55% R.H.) (mm/24h)	3
Hardness Shore A points** (ISO 868)	50 ± 5
Density (g/ml)	1.69
Maximum allowed distortion (%) (ISO 11600)	± 20
Tensile Strength** (N/mm ²) (ISO 37)	1.70
Elasticity modulus 100% (N/mm ²) (ISO 37)**	1.30
Elongation at break (%) (ISO 37)**	>200
Temperature resistance** (°C)	-40 → 90
Application temperature (°C)	5 → 35

* 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® 235 is a high quality, neutral, elastic, one-component adhesive-sealant with very fast strength build-up based on SMX polymer.

Properties

- Fast curing
- High initial tack
- Good adhesion on nearly all substrates
- Stays elastic after curing
- No bubble formation within sealant in high temperature and humidity applications
- Good weather and UV resistance
- No odour
- Does not shrink
- Solvent, halogen, acid and isocyanate free
- Phthalate-free
- Tin-free

Applications

- Supply bonding and sealing in vibrating constructions in car bodies, caravans and containers
- Strong elastic bonding in vibrating constructions
- Flexible connections in automotive applications

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.

Chemical resistance

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

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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 method

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.

- Discolouration due to chemicals, high temperatures, UV-radiation may occur. A change in colour does not affect the technical properties of the product.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Do not use in applications where continuous water immersion is possible.
- 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.

Health- and Safety Recommendations

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

Remarks

- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- A total absence of UV can cause a colour change of the sealant.
- BOSS® 235 can discolour under the influence of high UV stress and in dark spaces.

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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