

BOSS® 236 HYBRID SEALANT

TECHNICAL DATA

Basis	Hybrid Polymer
Consistency	Stable paste
Curing System	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 5 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness**	50 ± 5 Shore A
Density**	1.47 g/ml
Elastic recovery (ISO 7389)	> 75 %
Maximum allowed distortion	± 20 %
Temperature resistance**	-40 °C → 90 °C
Max. tension (DIN 53504)	3.00 N/mm ²
Elasticity modulus 100% (DIN 53504)	1.60 N/mm ²
Elongation at break (DIN 53504)	500 %
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 236 is a high quality, neutral, elastic, one-component construction, industrial and transport adhesive sealant based on Hybrid-Polymer with a very high initial tack.

Properties

- High initial tack reducing the need for initial support
- Fast curing
- Good extrudability
- High shear strength after full cure(no primer)
- Stays elastic after curing
- No odour
- Can be painted with water-based systems
- Good weather and UV resistance
- Does not contain isocyanates and no silicones
- Good adhesion on slightly moist substrates

Applications

- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF, chipboard, etc)
- Elastic structural bonding in construction, transport and container industry

Packaging

Colour: white, black, grey, other colors on request

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.



BOSS® 236 HYBRID SEALANT

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.

Substrates

Substrates: all usual building substrates, treated wood, PVC, plastics, ... Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: Porous surfaces in water loaded applications should be primed. Prepare non-porous surfaces with BOSS primer or cleaner (see Technical Data Sheet).

BOSS 236 has been tested and found to have good adhesion on following metal surfaces: AlCuMg1, AlMg3, AlMgSi1, stainless steel, electro-galvanized steel, steel ST1403, hot dip galvanized steel. BOSS 236 also has a good adhesion on plastics: polystyrene, polycarbonate (Makrolon®), PVC, polyamide, fiberglass reinforced epoxy, polyester. While producing plastics, very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding or sealing. For optimum adhesion, the use of Surface Activator is recommended. We recommend a preliminary adhesion test on every surface.

NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates.

The use of BOSS 236 is not recommended in these applications—not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or coppercontaining materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

Joint Dimensions

The optimal bond thickness for this product is at least 2 mm for the elastic properties to come to full justice.

Application method

Application method: With manual- or pneumatic caulking gun.

Cleaning: Clean with White Spirit or BOSS Surface Cleaner immediately after use (beforecuring).

Finishing: With a soapy solution or BOSS 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.

Remarks

- BOSS 236 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
- The drying time of alkyd resin-based paints may increase
- BOSS 236 can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test
- While producing plastics, very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion, the use of Surface Activator is recommended
- BOSS 236 can not be used as a glazing sealant
- BOSS 236 can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. BOSS 236 can therefore only be used on the bottom of natural stone tiles
- When applying, make sure that the surface of the materials is not smudged with sealant
- A total absence of UV can cause a color change of the sealant

BOSS[®] 236 HYBRID SEALANT

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

Environmental clauses

Leed regulation: BOSS 236 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.

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