TECHNICAL DATA SHEET

BOSS® PRODUCTS

REVISION | 13-09-2024

BOSS® 236 HYBRID SEALANT

TECHNICAL DATA

Basis	Hybrid Polymer
Consistency	Stable paste
Curing System	Moisture curing
Skin formation time* (23°C/50% R.H.)	Ca. 5 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Density**	1.47 g/ml
Hardness Shore A points** (ISO 868)	50 ± 5
Tensile Strength** (ISO 37)	3.00 N/mm^2
Elongation at break** (ISO 37)	500 %
Maximum allowed distortion (ISO 11600)	± 20 %
Elasticity modulus 100%** (ISO 37)	1.60 N/mm^2
Temperature resistance**	-40°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® 236 is a high performance, neutral, elastic, one-component adhesive sealant based on hybrid, know for it's high initial tack. This feature minimizes the need for the temporary support, making it ideal for fast and efficient bonding. Designed for both sealing and bonding application.

Properties

- High initial tack reducing the need for initial support
- Fast curing & easy application
- High shear strength after full cure without primer
- Elastic and durable post-cure
- Odorless and paintable with water - based systems
- Good weather and UV resistance
- Free of isocyanates, solvents, halogens & acids
- 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 colours 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.

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 primer or cleaner.
BOSS® 236 has been tested and found to have good adhesion on following metal surfaces: AlCuMg1, AlMg3,

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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-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.

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 ((before curing).
Finishing: With a soapy solution.
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.

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.

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