

BOSS® 532 COLOURS

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 13 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	Ca. 34 ± 5 Shore A
Density**	Ca. 1.29 g/ml
Elastic recovery (ISO 7389)**	> 70 %
Maximum allowed distortion	20 %
Max. tension (ISO 37)**	Ca. 1.50 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 0.59 N/mm ²
Elongation at break (ISO 37)**	Ca. 600 %
Temperature resistance**	-60 °C → 120 °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 532 is a high quality, elastic, one-component-sealant based on silicones.

Benefits

- Very easy to apply
- Permanently elastic after curing
- Impervious to mould (anti fungus)
- Very good adhesion on many materials
- UV-resistant
- Very good moisture resistance
- Very good resistance to ageing
- Not paintable
- Not suitable for natural stone

Packaging

Colour: White

Packaging: 300 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Substrates: all usual building substrates Nature: rigid, clean, dry, free of dust and grease. Surface preparation: Porous surfaces should be primed. Prepare nonporous surfaces with a BOSS activator or cleaner (see Technical Data Sheet). There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

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Joint Dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth. Three-point adhesion should be avoided at all time. Too small joint dimensions

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 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

- Do not use on natural stones like marble, granite, etc. It can cause staining.
- Direct contact with the secondary sealing of insulating glass units (insulation) and the PVB-film of safety glass must be avoided.
- Because of the diversity we recommend to do adhesion tests on aluminum ladders, textured coating and PVC before application.
- In an acid environment or in a dark room, a white sealant can slightly turn yellow. Under the influence of sunlight it will turn back to its initial colour.
- A total absence of UV can cause a color change of the sealant.
- When finished with a finishing solution or soapy solution, make sure that the surfaces are not touched by this solution.
- This will cause the sealant not to adhere to that surface. Therefore we recommend to only dip the finishing tool in this solution.
- We strongly recommend not to apply the Finishing Solution in full sunlight as it will dry very fast in these circumstances.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remains will stimulate the development of fungi.
- Do not use on polycarbonate.
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.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- 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 discoloration and loss of adhesion.



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Environmental clauses

Leed regulation:

BOSS 532 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.

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