



RUBSON

SB Neutral Silicone

Technical Data Sheet v.1, April 2026

Multi-purpose neutral silicone

CHARACTERISTICS

RUBSON SB Silicone Building is low modulus, one component, ready-to-use, new neutral curing silicone sealant suitable for the most common sealing work.

RUBSON SB Silicone Building combine good adhesion properties, neutrality and long shelf life.

RUBSON SB Silicone Building is a new generation of neutral silicone and combine the advantages of oxime (very good workability, long shelf life) with the advantages of alkoxy (sustainable and health).


- Low modulus
- UV-, weather and ageing resistance
- Waterproof
- Non-corrosive to metals
- Odourless during application

APPLICATION FIELD

RUBSON SB Silicone Building can be used for:

- Sealing of connection and expansion joints in the building industry
- Perimeter joints and sealing of PVC/wood/aluminium joinery
- Sealing of large and second-fix joints such as frames, window and door installations
- Caulking joints
- Mirror joints
- Outdoor and indoor applications
- For stone substrates (e.g., marble, granite), preliminary tests are mandatory

STANDARDS

	Transparent	White
	SNJF elastic sealant 12.5 E for Transparent color: 4768 F *	SNJF elastic sealant G25 E Façade & Glazing – Colored: 2280 F / 2288 V *
EN 15651-1 (CE marking)	Product type F-EXT-INT-CC: sealant for facade for interior and exterior applications (intended for use in cold climates)	Product type F-EXT-INT: sealant for facade for interior and exterior applications
EN 15651-2 (CE marking)	Product type G-CC: sealant for glazing applications (intended for use in cold climates)	Product type G: sealant for glazing applications
EN 13501-1	Reaction to fire: Class E	Reaction to fire: Class F
ISO 11600	Class F-12,5E	Class F-25LM and G-25LM
VOC (France)	Class A+	-

* Reference documents and information relating to the SNJF Label available at www.oc-sjff.fr.

INSTRUCTIONS FOR USE

RUBSON SB Silicone Building Transparent and White are supplied ready-to-use and can be applied from the original packaging with no special pre-treatment.

Surface preparation

All surfaces must be clean and dry, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant. Residues of old sealant or other materials as well as mould on the substrate must be removed completely (if necessary, use a silicone remover). Degreasing is performed using a pad soaked in solvent (alcohol or white spirit) followed by wiping with a clean cloth. Dust should be removed using oil-free compressed air. To obtain the best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.



Joint dimensions

The movement capability of the sealant as well as local regulations must be considered. In general, the joint width must be > 10 mm and < 35 mm and the joint depth should be twice the depth.

Priming

RUBSON SB Silicone Building Transparent and White do not require a primer on most common substrates. Except in the case of immersion and especially on porous substrates the application of a specific primer is recommended.

Sealant application

Once a seal back-up material has been put in place (closed-cell polyethylene foam or open-cell polyurethane foam), the sealant should be applied ensuring that the seal is completely filled. Smoothing off the seal ensures good contact between the sealant and the bonding surfaces. Directly after application, spray the joint with a mild detergent solution (soapy water) and smooth off with an appropriate tool. Remove any tape immediately before surface skin is formed. Smooth over any proud sealant edges immediately.

Cleaning tools

Areas soiled with fresh sealant may be cleaned with a dry pad or a pad soaked in a solvent. Any cured sealant can be removed by scraping (e. g. using a razor blade) or by using a special silicone remover product.

Please note

The joint must be cleaned and maintained regularly. Ensure good and regular air circulation in the room where the sealant is applied. Curing speed is depending on temperature, air humidity and on the dimensions of the joint. Low temperatures, low air humidity or big joint dimensions need longer curing speeds.

TECHNICAL DATA

Before curing	Transparent	White
Type of silicone	Neutral	Alkoxy
Appearance	Paste	Paste
Density (ISO 2811-1), g/ml	~ 0.99	~ 1.38
Resistance to flow (ISO 7390), mm	~ 1	~ 1

Curing	Transparent	White
Skin formation time (+23 °C / 50% RH), min	~ 15 - 30	~ 25
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm), mm/day	~ 2 - 2.5	~ 2
Application temperature, °C	5 - 40	5 - 40

After curing	Transparent	White
Shore A hardness (ISO 868)	~ 12	~ 20
Movement capability (ISO 11600), %	12.5	25
Max. joint width, mm	30	30
Change of volume (ISO 10563), %	< 25	~ 4
Temperature resistance, °C	-30 - 120	-50 - 120

Mechanical properties	Transparent	White
Elastic recovery (on anodized aluminium - ISO 7389-A), %	~ 75	~ 85
Modulus at 100% elongation (on anodized aluminium - ISO 8339-A), N/mm ²	~ 0.25	~ 0.35
Elongation at break (on anodized aluminium - ISO 8339-A), %	~ 200	~ 450



LIMITATIONS

Transparent and White

- For applications on sensitive surfaces (e.g. mirrors), preliminary compatibility testing must be carried out.
- RUBSON SB Silicone Building Transparent and White are not recommended for joints that are in direct contact with food.
- RUBSON SB Silicone Building Transparent and White are not recommended for structural glazing applications.
- RUBSON SB Silicone Building Transparent and White are not recommended for swimming pool joints, aquarium joints or for applications under water.
- RUBSON SB Silicone Building Transparent and White must not be overpainted due to poor paint coverage and adhesion.
- Before using RUBSON SB Silicone Building Transparent and White on painted substrates, the paint must be completely dry and fully cured.
- For RUBSON SB Silicone Building Transparent and White, prior paint compatibility tests are recommended, particularly with alkyd paints where slight yellowing may occur.
- RUBSON SB Silicone Building Transparent and White are not recommended on materials that may exude certain components over time (e.g. butyl sealants, EPDM rubbers, polychloroprenes, bitumen), as discolouration or reduced adhesion may occur.
- Application of RUBSON SB Silicone Building Transparent and White on natural stone (e.g. marble, granite) is not recommended; for such applications, a dedicated natural stone silicone should be used.
- RUBSON SB Silicone Building Transparent and White are not recommended for applications on PMMA (Plexiglass®), lead, PTFE (Teflon®), polyethylene or polypropylene.

Transparent only

- RUBSON SB Silicone Building Transparent must not be used as a secondary sealant in insulating glass units and must not come into contact with the edge seal of insulated glass.
- RUBSON SB Silicone Building Transparent must not come into contact with the interlayer of laminated (safety) glass.

White only

- RUBSON SB Silicone Building White is not recommended for applications on lead.

GENERAL INFORMATION

Storage

Store RUBSON SB Silicone Building in a dry place between 5 - 25 °C. Shelf life is 18 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

HEALTH AND SAFETY

Before using the product please see related Safety Data Sheet that is available on request at 09 69 32 09 30 or on our website <https://mysds.henkel.com/index.html>.

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

Henkel FRANCE

245 rue du Vieux Pont de Sèvres
92100 Boulogne Billancourt

Phone: 09 69 32 09 30 (non-surcharged call)

