



# RUBSON

## SP2 Joint Universel

High performance neutral silicone (for construction and glazing)

### CHARACTERISTICS

RUBSON SP2 Universal Sealant is low modulus, one component, ready-to-use, new neutral curing sealant for weather-sealing and bonding seals for construction and glazing applications.

RUBSON SP2 Universal Sealant combines the advantages of excellent primerless adhesion properties, neutrality and long shelf life.

- Low modulus
- 25% movement capability
- Easy to apply and to tool
- Smooth and matt appearance
- Excellent UV-, weather and ageing resistance
- Waterproof
- Primerless adhesion on numerous substrates such as glass (incl. mirror), tiles, ceramics, anodized or pure aluminium, steel, stainless steel, wood (painted or otherwise), polyester, PC, PVC, clinker brick (glazed and unglazed)
- Fast curing
- No residual tack
- Non-corrosive to metals
- Almost odourless during application
- MEKO and oxime free

### APPLICATION FIELD

RUBSON SP2 Universal Sealant can be used for:

- Expansion joints for façade panels and curtain walls
- Perimeter joints for aluminium, wood and PVC joinery
- Movement joints
- Sealing of glazing joints
- Sealing of construction joints
- Elastic seal for glazing applications on aluminium, wood, PVC
- Various joints in ventilation ducts, conservatories, greenhouses, double glazing, verandas, skylights
- Outdoor and indoor applications
- Adheres to concrete, anodized aluminium, steel, glass, vitrified materials. On sensitive substrates such as stone, wood, zinc, rigid PVC, polyester, formica, powder-coated aluminium — preliminary tests required.

### STANDARDS

EN 15651-1 (CE marking)	Product type F-EXT-INT: sealant for facade for interior and exterior applications
EN 15651-2 (CE marking)	Product type G: sealant for glazing applications
EN 13501-1	Reaction to fire: Class E
ISO 11600	Class F-25LM and G-25LM
VOC (France)	Class A+
Indoor Air Comfort (Europe)	Passed external tests at Eurofins

### INSTRUCTIONS FOR USE

RUBSON SP2 Universal Sealant is 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 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 width should be twice the depth. Recommended minimum joint width for joints around windows and exterior doors: 10 mm.

#### Priming

RUBSON SP2 Universal Sealant 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, e. g. P800 or P819.



**Sealant application**

Sealing of glazing joints is to be done in accordance with DTU 39  
Sealing of construction joints are to be done in accordance with DTU 44.1 and DTU 42.1

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	White / Grey	Transparent
Type of silicone	Neutral	Neutral
Appearance	Paste	Paste
Density (ISO 2811-1), g/ml	~ 1.42	~ 1.02
Resistance to flow (ISO 7390), mm	~ 0	~ 0

Curing	White / Grey	Transparent
Skin formation time (+23 °C / 50% RH), min	~ 15 - 20	~ 15 - 20
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm), mm/day	~ 3	~ 3
Application temperature, °C	5 - 40	5 - 40

After curing	White / Grey	Transparent
Shore A hardness (ISO 868)	~ 25	~ 15
Movement capability (ISO 11600), %	25	25
Max. joint width, mm	30	30
Change of volume (ISO 10563), %	< 10	< 10
Temperature resistance, °C	-50 - 150	-50 - 150

Mechanical properties	White / Grey	Transparent
Elastic recovery (on anodized aluminium - ISO 7389-A), %	~ 85	~ 85
Modulus at 100% elongation (on anodized aluminium - ISO 8339-A), N/mm <sup>2</sup>	~ 0.35	~ 0.3
Elongation at break (on anodized aluminium - ISO 8339-A), %	~ 350	~ 250
Elongation at break (dumbbell – ISO 37), %	~ 890	~ 930

**LIMITATIONS**

For any applications on sensitive surfaces (e.g. mirrors) carry out preliminary testing to check compatibility with the sealant.

RUBSON SP2 Universal Sealant are not recommended for joints that are in direct food contact.

RUBSON SP2 Universal Sealant are not recommended for structural glazing applications.

RUBSON SP2 Universal Sealant must not be used as a secondary sealant in insulating glass units and must not come in contact with the edge seal of insulated glass.

RUBSON SP2 Universal Sealant must not come in contact with the interlayer of laminated (safety) glass.

RUBSON SP2 Universal Sealant are not recommended for swimming pool joints, for aquarium joints or for applications under water.

RUBSON SP2 Universal Sealant seals must not be over-painted (poor covering and adhesion of the paint).

Before using RUBSON SP2 Joint Universel on painted substrates, paint has to be completely dry and cured. Prior compatibility tests are recommended, considering the variety of paints that exist and particularly with alkyd paints.

RUBSON SP2 Universal Sealant are not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprenes, bitumen, etc.). Discolouration or reduction of adhesion properties could take place.

Application of RUBSON SP2 Joint Universel on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

RUBSON SP2 Universal Sealant are not recommended for applications on PMMA (Plexiglass®), lead, PTFE (Teflon®), polyethylene and polypropylene.

**GENERAL INFORMATION****Storage**

Store RUBSON SP2 Universal Sealant 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.

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