

## UNIVERSAL SILICONE

Date:02/10/06

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### Technical Data:

Base	Polysiloxane
Consistency	Stable Paste
Curing System	Moisture Cure
Skin formation	Approx. 7 min (20°C/65% R.H.)
Curing Rate	1,5mm/24h (20°C/65% R.H.)
Hardness	17±3 Shore A
Specific Gravity	1,03g/ml
Temperature Resistance	-60°C to +200°C
Elastical Recovery	>90%
Maximum allowed Distortion	25%
Elasticity Modulus 100%	0,29N/mm <sup>2</sup> (DIN 53504)
Maximum Tension	1,55N/mm <sup>2</sup> (DIN 53504)
Elongation at Break	850% (DIN 53504)

### Product:

Universal Silicone is a high-quality elastical one-component joint sealant based on silicones.

### Characteristics:

- Low modulus
- Very easy application
- Permanent colour, UV-resistant
- Stays permanently elastic after curing
- Very good adhesion on many materials, even PVC
- Typical acetic smell

### Applications:

- Building and construction joints
- Top sealing at glazing jobs
- Sanitary applications
- Elastical adhesions in glazing and metal constructions

### Packaging:

*Colour:* clear, white, brown, black, other colours available on request

*Packaging:* cartridges of 300ml, on request: sausages of 300ml, 600ml

### Shelflife:

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

### Surfaces:

*Type:* all usual building surfaces

*State of Surface:* clean, dry, free of dust and grease

*Preparation:* apply Primer 150 for applications on porous surfaces – no primer required for non porous surfaces. Do not clean uPVC profiles with acetone

We recommend a preliminary compatibility test.

### Joint Size:

*Minimum Width:* 5mm

*Maximum Width:* 30mm

*Minimum Depth:* 5mm

*Recommandation:* 2 x depth = width

### Application:

*Method:* caulking gun

*Application temperature:* +1°C to +30°C

*Clean:* with white spirit immediately after use

*Finish:* with soapy water before skinning

*Repair:* with Universal Silicone

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.



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**Health- and Safety Recommendation:**

Apply the usual industrial hygiene.

**Remarks:**

- Due to the acetic character some metals (copper, lead) may be attacked.
- Do not clean uPVC profiles with acetone as this might impair adhesion of sealant
- We recommend to use a Neutral Cure Silicone such as Silirub 2 or Silirub PL for all uPVC sealings

**Technical Norms/Conforms with:**

- Germany: DIN 18540 Teil 2 – DIN 18545 Teil 2 Dichtstoffgruppe E
- United Kingdom: BS 5889 Type A
- USA: TTS 001543a

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