



# PRODUCT DATA SHEET

## SILFIX U9

Version No: 1.1

Revision Date: 13/07/07

### DESCRIPTION

Silfix U9 is widely regarded as one of the best low modulus silicone sealants available. Conforming fully to the requirements of BS 5889 Type A and ISO 11600 classification G-25-LM, it offers outstanding performance across a wide variety of glazing, industrial and construction applications. It has excellent adhesion to glass, timber, metals, brickwork, plastics and concrete and does not normally require a primer.

### KEY FEATURES

❖ Excellent adhesion to a wide variety of surfaces including PVC-U, coated metals, brickwork, stone, polycarbonate, coated timber and glass	❖ Compatible with all major European edge sealants for double glazed units
❖ High movement accommodation	❖ Premium quality low modulus neutral cure silicone which cures to form a flexible rubber.
❖ Superior performance across a wide range of temperatures	❖ Colours: Black, Brown, Grey, Translucent, White

### TECHNICAL APPROVALS

Silfix U9 conforms to the following standards :-

- ❖ ISO 11600 G-25-LM
- ❖ BS 5889 Type A



## USES – SILFIX U9

General industrial use eg heating & ventilation, sectional buildings, caravans etc.

For sealing joints between: GRP panels and roof sheets, trims and flashing in roofing and cladding, PVC-U, aluminium, steel, timber frame and door surrounds, and wall tiling.

Many forms of expansion/construction joints in building superstructures

Fully compatible with Hodgsons Flexistrip and HP series of strip sealants.

For capping and bedding of glass and insulating glass units in bead glazing systems.

Glazing plastics such as polycarbonate

## PERFORMANCE

- ❖ **Adhesion:** Excellent unprimed adhesion to glass or glazed surfaces, coated metals, brick, natural stone, PVC-U, polycarbonate and coated timber
- ❖ **Base technology:** Silicone polymer
- ❖ **Chemical Resistance:** Excellent to dilute acids and alkalis
- ❖ **Curing system:** Neutral cure: liberates methanol
- ❖ **Hardness:** (Shore A2 25° C): 18-22
- ❖ **ISO 11600 Classification:** G -25-LM
- ❖ **Mould Resistance:** Does not contain a fungicide
- ❖ **Movement accommodation:** ± 25%
- ❖ **Paintability:** Not Recommended
- ❖ **Service life (predicted):** 20+ years
- ❖ **Service temperature range:** -50° C to +100° C
- ❖ **Shrinkage:** < 5%
- ❖ **Specific Gravity/Density:** 1.48 to 1.58 g/cm<sup>3</sup> (colours) 1.02g/cm<sup>3</sup> (translucent)
- ❖ **Slump:** Nil
- ❖ **Staining:** Nil on most surfaces
- ❖ **Tensile modulus (100% elongation):** <0.4 N/mm<sup>2</sup> (colours)
- ❖ **UV resistance:** Excellent
- ❖ **Volatile content:** < 5%

## APPLICATION

### Properties

Application temperature range: +5° C to +30° C

Curing rate: Cures at a rate of 2mm in 24 hours at 23° C @ 60% RH. Lower temperatures and drier conditions will result in a slower rate of cure

Shelf life: 12 months

Skinning time: Skin forms after approximately 2 hours at 20° C @ 60% RH

Working time : Approximately 15 to 20 minutes depending on conditions.

### Instructions

Surface preparation: all surfaces must be clean, dry and free from frost, grease and loose materials. Apply primer if required.

Cut the top of the screw thread off the cartridge and screw on the nozzle. Cut nozzle to correct diameter for joint size. Apply using a skeleton or powered gun into the joint ensuring good contact with surfaces.

In deep joints, the use of Backing Rod is essential to ensure good joint formation.

In situations where an especially neat finish is required, use masking tape to cover the face edges of the joint and remove immediately once sealing has been completed.

Tooling: Tool immediately after sealant has been applied within the working time for the product.

## APPLICATION – SILFIX U9

### Equipment

A selection of hand & air operated guns is available for cartridge and/or sausage application including a high power type especially suitable for filling deep voids.

## PACKAGING

310ml cartridges - 25 per case  
Colour range: Black, Brown, Grey, Translucent, White

600ml sausages - 20 per case  
Colour range: Translucent

## ESTIMATING QUANTITIES

The figures shown indicate the number of linear metres obtained from a 310ml cartridge. They do not allow for wastage.

Width (mm)	Depth (mm)				
	3	6	9	12	15
3	34.4	17.5	11.5	8.6	6.9
6	17.2	8.6	5.7	4.3	3.4
9	11.5	5.7	3.8	2.9	2.3
12	8.6	4.3	2.9	2.2	1.7
15	6.9	3.4	2.3	1.7	1.4
18	5.7	2.9	1.9	1.4	1.2
25	4.1	2.1	1.4	1.0	0.8

## HEALTH AND SAFETY

Non-flammable.

Wash hands immediately after use

There are no known health hazards associated with Silfix U9 when used as recommended.

See Safety Data Sheet for further information

## GENERAL

Silfix U9 is part of a full range of speciality sealants and tapes designed for the professional user. For further information please contact Customer Services.

*The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE*

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