

## SILFIX® LMN

Version No. 3

Revision Date: 29/04/09

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### DESCRIPTION

Silfix® LMN is a high quality neutral cure silicone sealant which offers good all round performance and durability. Conforming to the requirements of BS 5889: 1989 Type A, it is suitable for use in a wide variety of industrial and construction applications. It is especially recommended for sealing between PVC-U frames and brickwork and for sealing flashings in metal clad buildings.

### KEY FEATURES

Good adhesion to a wide variety of surfaces, including PVC-U, coated timber, brickwork and coated metals.

Good quality low modulus neutral cure silicone which cures to form a tough yet flexible rubber seal.

Good performance across a wide range of temperatures.

Good application characteristics.

### TECHNICAL APPROVALS

Silfix® LMN conforms to the following standards :- BS 5889:1989 Type A.

### USES

Sealing joints between GRP panels and roof sheets. Trims and flashing in roofing and cladding. PVC-U, aluminium, steel, timber frames and masonry.

Sealing around stained timber frames and brickwork.

**Do not use in contact with edge sealants of double glazed units**

Sealing joints in general industrial applications such as those found in heating & ventilation, sectional buildings, caravans etc.

Sealing galvanised steel ducting and silos.

### PERFORMANCE

**Adhesion:** Good to PVC-U, coated timber, brickwork, coated metals and plasters. For further details contact our Technical Department.

**Base technology:** Silicone polymer

**Chemical resistance:** Good to dilute acids and alkalis

**Curing system:** Neutral cure - Alkoxy

**Hardness (Shore A 25°C):** 17

**Mould resistance:** Does not contain a fungicide

**Movement accommodation:** ± 25%

**Paintability:** Not recommended

**Service life (predicted):** 20 years

**Service temperature range:** -50°C to +150°C

**Slump:** Nil

**Specific gravity:** 1.01g/cm<sup>3</sup>

**Shrinkage:** < 10%

**Staining:** Nil on most surfaces

**Tensile strength:** <0.4 N/mm<sup>2</sup>

**UV resistance:** Excellent

**Volatile content:** < 10%

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### APPLICATION

#### PROPERTIES

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

**Curing rate:** Cures at a rate of 2 –3 mm 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 10 minutes at 20°C @ 60% RH.

**Working time:** Approximately 5 minutes.

#### INSTRUCTIONS

**Joint design:** Please consult the **Technical Information Sheet** entitled 'Joint design for cartridge based products' prior to application.

**Surface preparation:** All surfaces must be clean, dry and free from frost, grease and loose materials. Apply primer if required. In situations where an especially neat finish is required, use masking tape to cover the face edges of the joint and remove immediately once tooling has been completed.

Cut the tip 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 Hodgson Backing Rod is essential to ensure good joint formation.

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

### EQUIPMENT

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

### PACKAGING

310ml cartridges - 25 per case

Colours: Translucent and white

### ESTIMATING QUANTITIES

$$\text{Number of cartridges} = \frac{\text{Joint depth (mm)} \times \text{Joint width (mm)} \times \text{Length (M)}}{\text{Volume of cartridge (ml)}}$$

This calculation does not allow for wastage.

### HEALTH AND SAFETY

Non-flammable.

Wash hands immediately after use.

See Product Safety Data Sheet for further information.

### GENERAL

Silfix® LMN is part of a full range of speciality sealants and tapes designed for the professional user. For further information please contact our Customer Care Team or visit our Website.

*The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. 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.*