

SILFIX® LM

Version No. 5

Revision Date: 24/02/2020

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DESCRIPTION

Silfix® LM is a one part, neutral cure, silicone sealant which offers good all round performance and durability in most construction joints.

KEY FEATURES

Good adhesion to a wide variety of surfaces including PVCu, coated timber, brickwork, concrete, GRP, stainless / galvanised steel, aluminium and lead.

Good tooling and application characteristics.

Cures to form a durable weatherproof seal flexible at low and high temperatures.

Non oxime based cure with reduced H&S issues.

TECHNICAL APPROVALS

Conforms to EN15651-1: F-EXT-INT-CC, EN15651-2: G-CC,

Tested by BSRIA and shown to be effective in meeting the requirements for DW144 Class C High Pressure Ductwork up to 1500Pa. (Report No. 58936/2)

USES

Sealing penetration joints, gutters, fascias, trims and flashings in domestic and metal clad buildings.

Perimeter pointing and sealing around timber, metal and PVCu windows and doors.

LIMITATIONS

Do not use for aquaria construction or long term underwater applications.

Not recommended for use with low surface energy materials such as: polyethylene, polypropylene and Teflon

Do not use in conjunction with bitumen, asphalt or natural stones.

Not suitable for use as a mirror adhesive

Do not use in contact with edge sealants of double glazed units – use Silfix® U9

The priming of surfaces such as concrete and gypsum is recommended for optimum adhesion

PERFORMANCE

Adhesion: Good to PVC-U, timber, brickwork, metals and aluminium. 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): 24

Mould resistance: None

Movement accommodation: ± 25%

Paintability: Not recommended (See HY-SPEC 25 for alternative)

Service temperature range: -40°C to +150°C

Slump: Nil

Specific gravity: 1.01 g/cm³ (Trans, White), 1.50 g/cm³ (Colours)

Tensile strength: ~ 1.5 N/mm²

Elongation at break: 550%

UV resistance: Excellent

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APPLICATION

PROPERTIES

Application temperature range: +5°C to +40°C

Curing rate: Cures at a rate of approx. 2 mm in 24 hours at 23°C @ 55% RH. Lower temperatures and drier conditions will result in a slower rate of cure.

Shelf life: 12 months.

Skinning time: Skin forms after approximately 30 minutes at 23°C @ 55% RH.

Working time: Approximately 15 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 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, White, Black, Brown, Grey & Anthracite (RAL7016).

ESTIMATING QUANTITIES

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® LM 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.