



**Maxitek LMN Low Modulus Silicone is a one part Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form an elastic silicone rubber.**

### **Main Applications**

Recommended for perimeter sealing of window and door frames, including PVCu, and sealing joints in brickwork. It can also be used on many construction materials such as glass, plastics, polycarbonate, metals, wood and masonry. Suitable for use with the Moisture Vapour Permeable (MVP) glazing method and 'toe and heel' systems for glazing insulating glass units, remedial glazing, and sealing joints in translucent roofing sheets. Suitable for internal and external applications – very good UV resistance.

**NB:** It is not recommended for use in glass wall assemblies, use against natural stone or over-painting.

### **APPLICATION INSTRUCTIONS**

#### **Joint Preparation**

The joint surfaces must be clean, dry and free from all contamination. The surfaces should be degreased

using the appropriate cleaner. Primers may be required on some substrates. It is recommended that Maxitek Technical Services Department should be consulted and advice obtained with regard to the choice of primer for specific purposes.

#### **Joint Backing**

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth. All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000 Part 16, the British Standard for the sealing of joints in buildings using sealants.

#### **Application**

Maxitek LMN Low Modulus Silicone is supplied in 400ml foils and can be applied into the joint using a Maxitek Duo Flow Mastic Gun.

**Technical Characteristics:**

Colours:	White, Brown, RAL7016, Clear
Skin Time at 20o C/65 % RH (Coloured Grades):	10 minutes
Skin Time at 20o C/65 % RH (Translucent Grade):	20 minutes
Application Temperature:	+ 5°C to + 40°C
Service Temperature:	- 40°C to + 120°C
Typical Shore A Hardness:	30
Cure Rate at 20o C/65 % RH:	2mm/24 hours
Chemical Resistance:	Resistant to most dilute acids and alkalis. Organic solvents may cause the sealant to swell and lose adhesion.
UV Resistance:	Very Good
Service Life:	25+ Years
Movement Accommodation:	Butt joints (movement in tension and compression): 50 %. Do not exceed $\pm 33$ % in any one direction
Lap joints (movement in shear):	100 %. Do not exceed $\pm 66$ % in any one direction

**Joint Size Suitability:**

- **Joint Width** - Minimum 6mm, Maximum 25mm (single application), 50mm (multiple applications)
- **Joint Depth** - Minimum 10mm on porous substrates, Minimum 6mm on non-porous substrates, Maximum 15mm
- **Width : Depth ratio** (within above min/max restrictions) 2:1 butt joints, 1:1 lap joint

**Storage:**

12 months in original unopened packaging stored in a cool, dry place out of direct sunlight.

**Health & Safety:**

Contains Oximosilanes (Not Translucent Grade). Please consult Material Safety Data Sheets for full information. Translucent has its own Material Safety Data Sheet.

**Packaging:**

400ml foils, 20 x foils in a box. Polyethylene Nozzles are included in each box.

**Ancillary Equipment:**

Maxitek Duo Flow Mastic Guns.  
Maxitek Spare Plunger for Duo Flow Mastic Guns.  
Maxitek Spare Foil Pack Nozzles for Duo Flow Mastic Guns.

**Specification Compliance:**

- BS EN ISO 11600 – F/G – 25 LM
- BS 5889 Type A: 1989



Certified under the Harmonized European Standard EN15651. Please refer to separate Declaration of Performance for more details.

Quantity Estimator	
Joint Size (mm)	Metre / Litre
6 x 6	27.8
9 x 6	18.5
12 x 9	9.3
18 x 10	5.6
25 x 10	4.0