

SeeLex® LM Eco



Low modulus silicone sealant.

Application

Silicone sealant can be used for a variety of sealing applications within the construction industry

Key Features

Good adhesion to a wide variety of surfaces

No slump or staining

Predicted service life 20 years

Easy elasticity and recovery

Excellent UV resistance

Supplied in 400ml foil cartridge to reduce environmental impact

Substrate Compatibility

Steel	Aluminium	GRP / PVC	Fibre Cement	Glass (uncoated)	Timber (painted or stained)	Concrete/ Brickwork	Bitumen	Lead
✓	✓	✓	–	✓	✓	•	✓	✓

✓ = Recommended • = Compatible x = Not recommended to use with glass sealed units due to a tendency to attack the butyl seal

Code	Cartridge size (ml)	Cartridges per carton	Colour
SEELEX LM WHITE FOIL	400	12	WHITE
SEELEX LM CLEAR FOIL	400	12	CLEAR

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Estimating Quantities - 400ml cartridge

The figures given in these charts are the number of linear meters obtained from a cartridge for rectangular joints. These figures are only approximate and do not allow for wastage:

Joint size	Width (mm)					
	3	6	9	12	15	
3	44	22	14.5	11	9	
6	22	11	7	5.5	4	
9	14.5	7	5	3.5	3	

Estimating Quantities

Uncured sealant

Type of sealant	Polysiloxanes
Viscosity	Pasty
Vulcanising system	Through moisture in the air
Skin forming time (23° C and 50% R.H.)	10 min
Vulcanisation rate (23° C and 50% R.H.)	2,5 - 3mm/24h
Density : ISO 1183	1 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in the original packaging in dry conditions between +5° C -+ 25° C	Min 12 months

Cured sealant

Shore A hardness : ISO 868	13
Elastic recovery : ISO 7389	> 90%
Deformation capability : ISO 11600	25%
Modulus at 100% elongation : ISO 8339	0,25 N/mm2
% Elongation at break : ISO 9339	310%
VOC	>100 g/l
Temperature resistance	-50°C - +150°C

Method Of Use

Preparation

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with MEK, alcohol or ethanol. If necessary use a primer. It is recommended to carry out preliminary tests in order to determine the suitability of the product for its application

Application

With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers.

Date generated: 26/11/2025

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Method Of Use

Joint Dimensions:

Joint width	Joint depth	Allowed difference
3-4mm	3-4mm	+/- 1mm
6mm	6mm	+/- 1mm
8mm	8mm	+/- 1mm
10mm	6-8mm	+/- 2mm
15mm	10mm	+/- 2mm
20mm	10-12mm	+/- 2mm
25mm	15mm	+/- 3mm

Maximum joint width : 30mm

Tooling	Joints can be tooled with the finger, or with a specially shaped piece of timber or plastic
Cleaning	Excess sealant can be cleaned off immediately with soapy water and the tool. Cured sealant can be removed with Silicone Remover.

Safety

Safety data sheet available on request.

Limitations

Use in well-ventilated rooms. Do not expose to thermal, mechanical or chemical influences before complete curing. Good ventilation is important during application and vulcanisation of the product.

Not suitable for applications with permanent water contact

Not suitable for sanitary applications

There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates

Not suitable for use in ployacrylate and polycarbonate

Do not use on natural stone (staining)

Not suitable for gluing mirrors

Not paintable

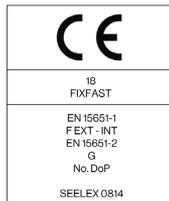
Not suitable for insulated glazing and security glass, in combination with butyl sealing or PVB.

Technical Approvals

Meets the requirements of the standards:

ISO11600-25LM . = EN15651-1: EXT-INT 25 LM

DIN 18540 - DIN 18545-2, sealant group E



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