

Maximum reliability. Minimum fuss.



Technical Data Sheet

SeeLex® LM

Sealing Products



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

Substrate compatibility

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

✓ = Recommended • Compatible ✗ = 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 CLEAR	310	12	CLEAR
SEELEX LM WHITE	310	12	WHITE



Estimating quantities

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

310ml cartridge						
Joint size		Width (mm)				
		3	6	9	12	15
Depth (mm)	3	34.4	17.2	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

Technical Characteristics

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 packing 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 8339	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.

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 polyacrylate 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:

- ISO 11600 F&G - 15 LM
- DIN 18540 - DIN 18545-2, sealant group E

	
18	FIXFAST
EN 15651-1	F EXT - INT
EN 15651-2	G
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