SILOXA©

LMN

TECHNICAL DATA SHEET

CHARACTERISTICS

- 1-component neutral silicone sealant
- Very easy to apply
- Excellent adhesion to almost all building materials
- Permanent elasticity
- High resistance to ageing, weather conditions and UV

APPLICATIONS

- Connection joints and façade joints with a movement amplitude of up to 20%.
- Siloxa LMN is also suitable for the top sealing of insulating glazing and safety glass.
- Perimeter joints around window frames.
- Joints in building and construction.
- For outdoor and indoor applications.
- Has an adhesive strength without primer on the majority of materials used in building and engineering industries such as treated wood, aluminum, abs, steel, stainless steel, anodised steel, hard PVC, glass, etc. On alkali surfaces such as concrete, bricks... a primer is recommended.

TECHNICAL CHARACTERISTICS	
Uncured sealant	
Type of sealant	Polysiloxanes
Curing system	Through moisture in the air
Skin forming time (23°C and 50% R.H.)	15 min.
Curing rate (23°C and 50% R.H.)	2,5 - 3 mm after 24h
Density: ISO 1183	1,40 g/ml (Anthracite, Black & Brown) 0,98 g/ml (Bright White & Trans)
Processing temperature	+5°C - +40°C
Shelf life, in original packing in dry conditions between +5°C - +25°C	12 months
Cured sealant	
Shore A hardness: ISO 868	28 (Anthracite, Black & Brown) 10 (Bright White & Trans)
Elastic recovery: ISO 7389	>80%
Deformation capability: ISO 11600	20%
Modulus at 100% elongation: ISO 8339	0,67 N/mm² (Anthracite, Black & Brown) 0,17 N/mm² (Bright White & Trans)
% Elongation at break: ISO 8339	150% (Anthracite, Black & Brown) 350% (Bright White & Trans)
Temperature resistance	-50°C - +150°C

PACKING AND COLOURS
25 Cartridges of 280ml/box
25 Saverfoil® foil packs of 400ml / box

Available Colours: Bright White, Transparent, Black, Anthracite RAL 7016 & Brown RAL 8017

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.

Primers

Porous surfaces	Silicone Primer Porous Surfaces	Transparent	Drying time (approx.) 60 min.
Non porous surfaces	Silicone Primer Non-porous Surfaces	Transparent	Drying time (approx.) 60 min.

Application

- With a sealant gun (manual or pneumatic). The size and shape of the joint is very important. Avoid thin joints.
- Use in well-ventilated rooms. Good ventilation is important during application and curing of the product.
- Do not subject the joint to thermal, mechanical or chemical stress before curing is complete.

Joint dimensions

- Suitable joint width: from 5 mm to 30 mm.
- Joints with a width of up to 10 mm: joint depth must be equal to joint width.
- Joints wider than 10 mm: joint depth = (joint width/3) + 6 mm.

Tooling

If desired, smooth surface before skin formation with the Perfect Joint Tooling Agent and/or the Perfect Joint Tool. Avoid that tooling agent ends up on the surface before applying the silicone. Silicone does not adhere to a damp surface.

Cleaning

- Before curing: Tools, surfaces and uncured residues can be removed with Cleaner, Multi-Purpose Super Cleaner or Cleaning Wipes.
- After curing: Remove cured sealant mechanically. Remainder of silicone can be removed with Silicone Remover.

SAFETY

Refer to the packaging or safety data sheet for additional information.

POINTS OF ATTENTION

- Not suitable for expansion joints with a motion amplitude >20%.
- Not suitable for applications with permanent water contact.
- No adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates.
- Do not use on natural stone (staining).
- Not paintable.
- Not compatible with the edge seals of insulating glazing and the PVB films of safety glass. Avoid direct contact.
- White or translucent colours can yellow slightly in the absence of UV light or through contact with smoke or detergents.
- **Siloxa LMN** is not suitable for glazing joints.

TECHNICAL APPROVALS

- Labeling in emission of volatile organic compounds of construction and decoration products.
- CE

Note: This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.