

PRODUCT DATA SHEET

SikaSeal® LMN Frame Silicone Ultra

Premium grade neutral cure silicone for glazing and facade applications

PRODUCT DESCRIPTION

SikaSeal® LMN Frame Silicone Ultra is a premium grade low modulus, neutral curing silicone sealant suitable for many construction and industrial applications but particularly suited for all glazing and façade applications.

USES

- Perimeter pointing around uPVC, wood, aluminium and all other types of window and door frames.
- Expansion joint sealing.
- Weather sealing and joint sealing of aluminium glazing systems, curtain walling and pre-formed façade panels.
- General glazing sealing and draught proofing including repair work over existing sealant.
- Glass to glass and glass to aluminium sealing.
- Sealing soft metals such as lead, brass, copper and zinc.
- Industrial sealing applications, coated metals, anodized aluminium and stainless steel.

CHARACTERISTICS / ADVANTAGES

- Excellent primerless adhesion to most common building substrates, porous and non-porous.
- Internal and external use.
- Fast curing.
- Low odour.
- Low dirt pick up.
- Excellent break off and tooling.
- Excellent flexibility +/-25 %.
- Waterproof.
- Weather resistant.
- UV resistant.
- Chemical resistant.
- Service temperature resistance (-50 °C to +150 °C).
- Suitable for use with glass, lead, polycarbonate, and acrylic sheets.

APPROVALS / STANDARDS

Certified to: EN15651-1 type F EXT-INT-CC, Class 25LM, EN15651-2 type G-CC, Class G25LM, EN15651-3 type S, Class XS1.

PRODUCT INFORMATION

Packaging	300 mL cartridge, 600 mL foil (clear only)
Colour	Clear, White, Brown, Anthracite & Black
Shelf Life	Use within 18 months from date of manufacture.
Storage Conditions	Store in cool dry conditions away from direct sunlight between + 5 °C and + 30 °C. Storage outside these parameters will dramatically reduce the shelf life.
Density	1.03 g/cm ³

TECHNICAL INFORMATION

Shore A Hardness	20 - 30
Movement Capability	25 % (ISO 9047)

Service Temperature	-50 °C to +150 °C
Joint Design	5 - 50 mm Maximum depth = 50 % of joint width
Yield	10.5 linear metres as a 6 mm diameter bead
Ambient Air Temperature	+ 5°C to + 35°C
Curing Time	1 - 2 mm per 24 hours
Skin Time / Laying Time	5 - 25 mins

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.

- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- Do not use in the manufacture of aquariums. Use Aqua Mate Sealant.
- Do not use on substrates that bleed oil, solvents or plasticisers.
- Not overpaintable.
- Staining from plasticiser migration may occur when used on cast, reconstituted or natural stone such as granite, marble or limestone substrates. Customers should test a sample prior to application.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, dry and free from dust, grease and other contaminants. Improve adhesion by wiping surface with a suitable proprietary cleaner. Priming is generally not required, although we always advise testing small areas prior to use.

APPLICATION METHOD / TOOLS

All glazing must be carried out according to current relevant British Standards. Apply at temperatures between +5 °C and +35 °C to clean, dry surfaces. The joint depth must never be greater than 50 % of the width. For cartridge cut the tip taking care not to damage the thread and apply the nozzle. For foils cut one end of the foil place it in the foil gun with the opening to the nozzle end, place nozzle and screw on holding bracket. Apply nozzle and cut at an angle of 45 ° with an opening slightly larger than the gap to be sealed. Best results will be obtained by keeping an even pressure on the trigger and keeping the gun at a constant angle to the surface being sealed. To ensure a proper bond, always smooth the sealant down with a spatula or piece of wood. An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 15 minutes of application.

CLEANING OF TOOLS

Clean uncured sealant with white spirit or Sika® Wonder Wipes. Cured sealant can be removed mechanically or with Everflex® Silicone Eater.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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