SANITARY SILICONE

TECHNICAL DATA SHEET

S301

ANTI-MOULD · ACETIC CURE

LASICA S301 — Anti-Mould Sanitary Silicone Sealant

LASICA S301 is a one-component, acetic-cure silicone sealant containing a fungicide. It cures at room temperature to a flexible, medium-modulus, watertight joint for general sanitary sealing, specifically formulated for hot, humid environments such as kitchens and bathrooms where resistance to mould and fungal growth is required. Available in translucent and white.

PACKAGING	SHELF LIFE	CURING SYSTEM	OPERATING TEMP.
310 ml	18 months	Acetic	−30 → +120 °C

CHARACTERISTICS / ADVANTAGES

- Fungicide — resists mould and fungal growth
- Formulated for hot, humid rooms (kitchens, bathrooms)
- Easily extruded, rapid curing — quick to put into service
- Smooth, glossy finish for glazed sanitaryware and tiles
- Primerless adhesion to glass, ceramic, vitreous and painted surfaces
- Good resistance to most common cleaning products
- Medium-modulus, watertight flexible joint
- Available translucent or white

APPLICATION

- Jointing baths, sinks, showers, kitchen furniture, urinals
- Jointing ceramic tiles and plumbing fixtures
- Sealing of cold rooms
- Weatherproofing and bonding where protection against fungal growth is required

HOW TO USE

Joint faces must be clean, dry and free of dust, oil, grease, old sealant and any contaminant. Degrease non-porous surfaces with a solvent-soaked cloth, wipe clean, and remove dust with oil-free compressed air. A primer is usually not required; test on special substrates.

1. Use a backup material (closed-cell PE or open-cell PU foam) so the sealant bonds only to the two facing sides of the joint.
2. Apply between +5 °C and +40 °C in a continuous operation, eliminating all air pockets.
3. Tool the bead with light pressure using a dry spatula before skin formation.
4. Excess uncured sealant is cleaned with solvent; cured sealant is removed by scraping or with a silicone remover.

LIMITATIONS

Do NOT use in the following cases:

- On sensitive surfaces that could react with the acetic acid released during curing
- On materials where migration of constituents can occur (e.g. certain rubbers)
- For sealing aquariums (contains a fungicide)
- Where abrasion or physical abuse is expected
- For permanent immersion — consult our technical service first

PRODUCT DATA

TYPICAL GENERAL CHARACTERISTICS	CONDITION	VALUE
PRODUCT DATA (UNCURED)		
Specific gravity at 23 °C	approx.	**0.97 g/cm³**
Flow / sag resistance	—	**Non-sag**
Extrusion rate	approx.	**240 g/min**
Tack-free time at 23 °C / 50% r.h.	approx.	**9 min**
Curing rate at 23 °C / 50% r.h.	approx.	**3 mm/day**
PRODUCT DATA (CURED) — AT 23 °C / 50% R.H.		
Hardness Shore A	approx.	**16**
Elastic recovery	approx.	**95 %**
Movement capability	approx.	**20 %**
Modulus at 100% elongation	approx.	**0.43 MPa**
Tensile strength	approx.	**2.0 MPa**
Elongation at break	approx.	**600 %**
Operating temperature	—	**−30 → +120 °C**

PACKAGING

- Cartridge: **310 ml** — translucent or white

TRANSPORT & STORAGE

- Transport: keep the sealed product away from moisture, sun and high temperature; avoid collisions.
- Storage: keep sealed in a cool, dry place at −5 °C to +50 °C.
- Shelf life: **18 months** from date of manufacture (sealed product).

SAFETY

During curing, acetic acid is released. Do not inhale these vapours for long periods or in high concentration; ensure good ventilation. In case of contact of uncured silicone with eyes or mucous membranes, rinse thoroughly with water. Refer to the Safety Data Sheet (SDS).

STORAGE

Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, the product is no longer guaranteed to meet specifications and its properties must be checked before use.

The information in this technical data sheet is given in good faith based on our current knowledge; it is indicative and not binding. It cannot replace the preliminary tests that alone ensure a product's suitability for a given use. The user is responsible for verifying suitability and for compliance with local regulations. LASICA accepts no liability for any improper use.