LASICA 707 ON — Neutral Silicone Sealant

LASICA 707 ON is a one-component, neutral-cure silicone sealant with primerless adhesion, long shelf life and excellent tooling, for construction, perimeter sealing and glazing. It is available in two grades: a **Coloured** high-performance structural-glazing grade and a **Transparent** low-modulus grade. Both cure at room temperature with atmospheric moisture to a permanently flexible rubber, with excellent resistance to weathering, UV and temperature extremes.

VARIANTS	SHELF LIFE	CURING SYSTEM	SERVICE TEMP.
Coloured · Transparent	**18 months**	**Neutral**	**−40 → +180 °C**

VARIANTS

707 ON COLOURED
High-performance structural & non-structural glazing grade.
Packaging: cartridge 310 ml · sausage 600 ml

707 ON TRANSPARENT
Low-modulus grade, crystal finish for glass sealing & visible joints.
Packaging: cartridge 310 ml

CHARACTERISTICS / ADVANTAGES (BOTH GRADES)

- Neutral cure, primerless adhesion to most materials
- Non-corrosive to metals
- Suitable for alkaline substrates (concrete, mortar, fibre cement)
- Almost odourless
- Solvent-free — low shrinkage on cure
- Non-sag, excellent tooling
- Ready gunnability at +5 °C and +40 °C
- Rapid cross-linking — quickly tack-free
- Excellent weatherability and UV resistance

APPLICATION

- Structural and non-structural glazing
- Sealing of connection and expansion joints in building
- Sealing of perimeter joints
- Glass sealing
- Joints between glazing and supporting structure (frames, transoms, mullions)

PRODUCT DATA

TYPICAL GENERAL CHARACTERISTICS	METHOD	COLOURED	TRANSPARENT
PRODUCT DATA (UNCURED)			
Density at 23 °C	ISO 1183-1 A	**1.36–1.38 g/cm³**	**1.02 g/cm³**
Consistency	ISO 7390, U 20	**Non-sag**	**Non-sag**
Extrusion rate (23 °C)	—	**260 ml/min**	**250 ml/min**
Skin forming time (23 °C / 50% r.h.)	—	**25 min**	**8 min**
Curing time (23 °C / 50% r.h.)	—	**2.4 mm/day**	**3.0 mm/day**
PRODUCT DATA (CURED) — AFTER 4 WEEKS AT 23 °C / 50% R.H.			
Tensile strength	ISO 8339	**0.80 N/mm²**	**0.80 N/mm²**
Elongation at break	ISO 8339	**270 %**	**250 %**
Modulus at 100% elongation	ISO 8339	**0.45 N/mm²**	**0.45 N/mm²**
Hardness Shore A	ISO 868	**40**	**30**
Tear strength	ISO 34, method C	**4.2 N/mm**	**4.2 N/mm**
Movement capability	ISO 11600	**25 %**	**25 %**
Service temperature	—	**−40 → +150 °C**	**−40 → +180 °C**

HOW TO USE

Surfaces must be clean, dry and free of dust, rust, oil and all contaminants; clean non-porous substrates with solvent and a lint-free cloth. Apply between +5 °C and +40 °C in an even bead and tool immediately before the product skins. A primer may improve adhesion on some substrates — consult our technical service.

RESTRICTIONS ON USE

Not recommended for:

- Structural glazing without prior review by a qualified application engineer
- Materials that may bleed oils, plasticizers or solvents (impregnated wood, oil-based caulks, green/partially vulcanized rubber, bitumen boards/felts)
- Totally confined spaces; frost-laden or wet surfaces
- Continuous water immersion or below-grade applications
- Surfaces in direct contact with food

PACKAGING

- **Coloured:** cartridge 310 ml · sausage 600 ml
- **Transparent:** cartridge 310 ml

TRANSPORT & STORAGE

- Keep sealed in a cool, dry place, away from moisture, sun and heat (5–25 °C, ≤ 50% RH).
- Shelf life: **18 months** (sealed product).

SAFETY

During vulcanization, methanol and ethanol are released; avoid prolonged or concentrated inhalation and ensure good ventilation. Rinse eyes/skin thoroughly with water if in contact with uncured product. Cured silicone can be handled safely.

The information in this technical data sheet is based on our experience and testing and is given in good faith for guidance. As conditions of use are beyond our control, the user must verify the product's suitability through preliminary testing. LASICA accepts no liability for any improper use.