LASICA FC900 — MS Crystal Clear Adhesive & Sealant

LASICA FC900 is a high-quality, crystal-clear, neutral, elastic one-component adhesive based on MS Polymer with good initial grab. It bonds and seals most construction substrates, for interior and exterior use.

PACKAGING	SHELF LIFE	TECHNOLOGY	COMPONENTS
310 ml	18 months	MS Polymer	One-component

CHARACTERISTICS / ADVANTAGES

- Transparent, glass-like clarity
- MS Polymer technology
- Good initial grab
- Very low emissions
- Easy to tool and finish
- Paintable
- Excellent adhesion
- Solvent free
- Isocyanate free
- Virtually odourless

APPLICATION

Bonds most construction components and materials, and seals around bonded components:

- Concrete
- Masonry
- Most natural stones
- Ceramic
- Wood
- Metals
- Glass
- PVC

HOW TO USE

A primer may be required for some substrates; consult your supplier. Cut the nozzle to the desired width, cut the tip off the cartridge and attach the nozzle. Apply an even bead ensuring good contact, then tool immediately before the product skins.

1. Ensure that surfaces to be bonded/sealed are clean, dry and grease free.
2. The application temperature must be between +5 °C and +40 °C (ideal +20 °C).
3. Tool the bead with light pressure within 5 minutes for a professional finish.
4. Excess uncured product may be cleaned with solvent; cured product only mechanically.
5. 6 mm joint depth is recommended for joint widths between 6 mm and 12 mm.
6. Skins in approx. 10 minutes; maximum strength reached after 21 days.

ENVIRONMENT & APPROVALS

LEED v4 EQc2 — Low-Emitting Materials

GEV-EMICODE EC1PLUS (VOC emissions)

Class A+ — French VOC emissions regulation

CE Marking & DoP to EN 15651-1 — Façade sealant, Class F EXT-INT 20HM

LIMITATIONS

Do NOT use in the following cases:

- Structural window glazing or structural bonding
- Joints subject to movement over 20 %
- Natural stone (clarity makes the surface look wet, resembling staining)
- Permanent water immersion — aquariums, swimming pools, joints under water pressure
- Floor joints, sanitary joints, or as a weather / roofing sealant
- Overhead or heavy components without additional mechanical fixings
- Mirrors: support the mirror while curing; add mechanical fasteners on plasterboard
- Bituminous substrates, natural / EPDM rubber, or materials leaching oils or plasticisers
- PE, PP, PTFE (Teflon) and certain plasticised plastics without preliminary trials
- Do not expose uncured product to alcohol-containing products (disturbs curing)

PRODUCT DATA

TYPICAL GENERAL CHARACTERISTICS	INSPECTION METHOD	VALUE
PRODUCT DATA (UNCURED)		
Density at 23 °C	ISO 1183-1 A	**1.05 g/cm³**
Consistency	ISO 7390, profile U 20	**Non-sag**
Extrusion rate — volume flow at 23 °C	—	**280 ml/min**
Skin forming time at 23 °C / 50% r.h.	—	**5 min**
Curing time at 23 °C / 50% r.h.	—	**3.5 mm/day**
PRODUCT DATA (CURED) — AFTER 4 WEEKS' STORAGE AT 23 °C / 50% R.H.		
Tensile strength	ISO 8339	**0.80 N/mm²**
Elongation at break	ISO 8339	**400 %**
Modulus at 100% elongation	ISO 8339	**0.55 N/mm²**
Hardness Shore A	ISO 868	**38 ± 5**
Tear strength	ISO 34, method C	**6.1 N/mm**
Combined tension and shear resistance	DIN 32622	**1.6 N/mm²**
Movement capability	ISO 11600	**25 %**

PACKAGING

- Cartridge: **310 ml**

TRANSPORT & STORAGE

- Transport: keep the sealed product away from moisture, sun and high temperature; avoid collisions.
- Storage: keep sealed in a cool, dry place. Temperature 5–25 °C, humidity ≤ 50% RH.
- Shelf life: **18 months** (cartridge, sealed product).

SAFETY

For safe handling, storage and disposal, always refer to the most recent Safety Data Sheet (SDS), which contains physical, ecological, toxicological and other safety-related data.

The information in this technical data sheet is based on our current knowledge and experience of the product when properly stored, handled and applied under normal conditions. As materials, substrates and site conditions vary, the user is responsible for verifying the product's suitability for the intended application through preliminary testing. LASICA accepts no liability for any improper use.