



## LicaFlex 100

Medium elastic modulus adhesive/sealant, ideal for joints.



### MAIN FIELDS OF USE

#### It is particularly suitable to:

High-performance sealing of both vertical and horizontal expansion and fractioning joints  
Sealing of pavements and parking lots, even with heavy vehicular traffic.

#### Recommended applications:

Waterproof covers and seals on all the most common substrates used in construction (collars, flashings, etc.). Glueing of skirting boards, corner guards and any other type of material.

- Suitable substrates (indoors or outdoors):
- Waterproof sheaths as long as they are not oily
- Cement mortars and concrete
- Plastic
- Terracotta, tiles, etc.
- Metal
- Wood

### CHARACTERISTICS

Conforms to **ISO 11600/F/25 HM**, **UNI EN 15651/1** and **UNI EN 15651/4**

**Easy application:** single component thixotropic product, water hardening, ready to use.

**Versatility and stability** prevent shrinkage and allow for simultaneous sealing/bonding.

**High adhesion power:** on almost all the substrates adopted in construction, even of different nature between them.

**High mechanical properties** thanks to permanent elasticity, withstands stress and medium-heavy traffic.

**Excellent resistance to ageing**, weathering and occasional aggression from hydrocarbons.

**Can be painted over**, after testing to verify the compatibility between paint and sealant.

### METHODS OF APPLICATION

#### Preparation of the substrate

The surfaces of the materials on which the product is to be applied must be clean, dry and of good quality.

**1**\_Remove any impurities or residues with a jet of compressed air or brush

**2**\_Prefabricated panels containing release substances as well as polyethylene films must be sandblasted or mechanically abrasive and cleaned from dust.

**3**\_Carry out preventive adhesion tests on the materials, as it may be necessary to use cleaners or primers to achieve optimal adhesion.

**4**\_In the presence of an expansion joint, insert a closed-cell polyethylene foam cord deep inside. (we do not have ex FASSAFOAM in the catalogue)

In all cases, the substrate must be clean, planar, cohesive, free of any kind of detaching substance and water.

#### Preparation of the product

**LicaFlex 100** is ready to use.

#### Application

Depending on the type of **LicaFlex 100** application, proceed as follows:

**To seal:** **1**\_in order to ensure the free movement of the sealant in the joints, it is essential that it does not adhere to the bottom.

**2**\_Insert a polyethylene band (rear joint band) at the appropriate depth.

**Application**

3\_ Apply a primer to the parts of the joint.

4\_ After the necessary waiting times, firmly extrude the sealant and apply it in the joint, making sure that it is completely in contact with the surfaces of the joint itself and with the back band at the end.

5\_ Smooth the sealant to ensure full adhesion and break any air bubbles -To obtain a precise line, use a masking tape, removing it while the sealant is still soft.

**To glue:** apply to points or lines on surfaces already prepared and then press hard the parts that must be glued.

**LicaFlex 100** can be over-painted, subject to prior compatibility test. The maximum contraction and expansion should not exceed 25% of the average joint width. Avoid exposure to high levels of chlorine (e.g. joints in chlorinated pools). It does not cure in the presence of already cured silicone. Avoid contact with alcohol and other cleaning solvents during polymerisation.

**NOTE** The relative humidity of the environment strongly influences the speed of hardening.

**PRODUCT INFORMATION**

Characteristic	Performance
Natura Chimica	Polyurethane
Appearance	Thixotropic material
Colour	White, Grey, Black
Polymerisation	Moisture
Specific weight	1.32 g/ml
Except dust 23 °C 50% RH	50 min approx.
Application temperature	+ 5°C to + 40°C
Temperature of use	- 40°C to + 90°C
Storage in unopened original packaging	12 months in a dry place between +5° and +35°C
Packaging	Aluminium cartridges with 310 ml 12 Ctr/Box Aluminium bag with 600 ml 20 Bags/Box

**PERFORMANCE**

Characteristic	Test method	Performance
Thixotropy	EN ISO 7390	Excellent
Shore hardness A	DIN 53505	40
Hardening to thickness (mm) (after 1 day at 23°C and 50% RH)		Approx. 2.3
Joint size		Between 5 and 30 mm
Elongation at breaking point	DIN 53504	Approx. 500%
Tensile strength	DIN 53504	1.7 N/mm <sup>2</sup>
Elastic modulus (100%)	EN ISO 8339	0.7 N/mm <sup>2</sup>
Elastic recovery	EN ISO 7389	>85%
Permissive movements		25%

## WARNINGS

- Product for professional use.

In the case of applications other than those indicated in the sheet, it is advisable to carry out a suitability check in advance and/or contact the licata Technical Service for further information.

- Always check the colour, texture and appearance before application. Any claims regarding this will not be accepted once the product has been applied.
- Do not apply in extreme conditions such as on icy surfaces or in the presence of fog/excessive ambient humidity.

To avoid aesthetic and functional defects, adequate shielding must be provided in case of direct exposure to sunlight.

- Make sure that the ambient, substrate and product temperatures during application and drying are between +5°C and +35°C.
- Properly care for the product until it is completely dry and at least in the first 48-72 hours, protecting it from rain, wind, weather and direct sunlight.
- The temperature and humidity can accelerate (if high) or slow down (if too low) even drastically the maturation process, until it stops completely.
- The presence of scaffolding, the use of natural raw materials and the impossibility of controlling atmospheric conditions and the substrate can lead to signs of recovery and inhomogeneity for which licata SpA is not responsible.
- The fresh product can be washed with water.

## SAFETY

Protect eyes and hands during application.

Read and keep the latest version of the Safety Data Sheet available for information on the correct disposal, storage and handling of the product.

## NOTES

This data sheet replaces and voids all previous versions.

The instructions and performance information given in this document are based on our current technical-scientific knowledge and must in any case be considered purely indicative and refer to standard laboratory conditions. The purchaser must, therefore, check that the product is suitable for his specific requirements. All the documentation necessary for the safe use of licata SpA products is available in its most up-to-date form on the **licata SpA** company website. Additionally, our technical-commercial network guarantees a quick inquiry and remains available to you for information and explanations. For further information, contact the licata Technical Service at [servizio-tecnico@licataspa.it](mailto:servizio-tecnico@licataspa.it)

**Data sheet ref.: TDS C00726 - rev.07/21.**