

LicaFlex 100

Single-component thixotropic adhesive/sealant, made with polyurethane resin, with medium modulus of elasticity, for internal and external use, specifically designed for bonding all the most commonly used construction materials and for sealing expansion and fractionating joints, both horizontally and vertically

LicaFlex 100 is a single-component, water-hardening, thixotropic adhesive/sealant, made with polyurethane resin, with medium modulus of elasticity, for internal and external use, specifically designed for bonding all the most commonly used construction materials, including of various natures, as a replacement or supplementation to mechanical fixing. Its special formula lends the product outstanding resistance to stresses and to medium to heavy traffic; in addition, it makes it possible to seal expansion and fractionating joints both horizontally and vertically, also those subject to occasional chemical attacks caused by hydrocarbons.



MAIN AREAS OF APPLICATION

LicaFlex 100 can be used as a sealant on:

- Expansion and fractionating joints
- Industrial floors subject to vehicle traffic
- Car parks, supermarkets, shopping centres, etc.
- Wall joints, both indoors and out
- Sheet metal elements such as collars, perimeter gutters, etc.

or as an adhesive on:

- Wooden and metal elements
- Skirting boards, corner guards
- All the most commonly used construction materials, including of various natures.
- Ceramic tiles

For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

- Easy to apply: **LicaFlex 100** is a single-component, ready to use product.
- High adhesion strength: **LicaFlex 100** stands out for its superior adhesion strength on almost all substrates used in construction, including of various natures.
- Superior mechanical properties: Its special formula lends the product outstanding resistance to stresses and to medium to heavy traffic.
- It can be painted over.



APPLICATION METHOD

Preparing the substrate

The surface must be dry and free any trace of dust or residue from surface treatments such as: detergents, oily substances, mineral or organic greases, waxes, traces of gypsum and salt. Make sure there is no free water stagnating on the substrate, if this is the case, it must be removed or dried. In the presence of an expansion joint, insert a closed-cell polythene foam bead in depth.

Preparing the product

LicaFlex 100 is ready to use.

Application

Insert the cartridge or sachet into the gun and fill the joint, avoiding getting any air into the bead. The product should then be squeezed up against the walls of the joint to achieve optimum adhesion. To achieve impeccable linearity of the joint, we recommend you lines it with masking tape before application and then remove the tap at the end of application, while the sealant is still fresh.

On absorbent, chalking substrates, substrates subject to high stresses, extreme exposure to the weather, on the walls of the joint to improve adhesion, or if a particularly long useful life of the sealant is required, we recommend you apply

LicaPrimer 600.

Make sure the temperature of the room, of the substrate, and of the product during application falls between +5 °C and +35 °C.

PRODUCT INFORMATION

Chemical base	Polyurethane
Colour	White, Grey, Black
Specific weight	1.35 g/ml
Dust free 23 °C, 50% R.H.	approximately 60 min
Application temperature	Between +5 °C and +35 °C
Operating temperature	Between -40 °C and +70 °C
Application temperature	Between +5 °C and +35 °C

PERFORMANCE

Characteristic	Test Method	Performance
Thixotropic	EN ISO 7390	Excellent
Shore hardness A	DIN 53505	45
Hardening 23 °C 50% R.H.		4 mm/24 h
Size of joint		Between 10 and 30 mm
Ultimate elongation	DIN 53504	400%
Tensile strength	DIN 53504	1.5 N/mm ²
Modulus of elasticity (100%)	EN ISO 8339	0.8 N/mm ²
Springback	EN ISO 7389	>85%
Permissive movements		20%
Volume shrinkage		>5%

WARNINGS

- Professional-grade product.
- Chemical material: use personal protection devices as envisaged by the applicable regulations in force, protect both eyes and skin during application.
- After use, clean tools while the product is still fresh.
- Since this is a moisture curing product, the relative humidity in the room strongly affects the speed of hardening.
- Storage: 12 months in a dry, protected place in sealed packs, at temperatures of between +5 °C and +35 °C.

SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

NOTES

This technical data sheet replaces and cancels all previous versions.

The indications and performance levels provided in this document are based on our current technical-scientific knowledge and in any case should be considered as purely indicative since the conditions of use are in no way under our control. The purchaser must therefore check the suitability of the product for his or her specific needs, assuming all responsibility deriving from its use. Our technical-sales network guarantees a speedy response and is at your disposal for any clarifications or queries regarding the use and processing of **licata SpA** products.

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