

Lica Armor 1000

Micro-perforated technological reinforcement fabric, suitable for reinforcing cement-, polymer- and bitumen-based waterproofing coatings, self-levelling cement skim coatings, made with gypsum and cement adhesives on damaged substrates

Lica Armor 1000 enhances performance in terms of elasticity, compactness and resistance to punching, ultimate elongation and the crack bridging value. The technology at the heart of this reinforcement fabric ensures flexible and tough reinforcements embedded into low-thickness waterproofing systems, in connection skim coatings and in laying with cement adhesives. Its structure with high tech fabrics guarantees bidirectional elasticity, total embedding in the products and accurate positioning thanks to the easier laying in any application. The physical and chemical strengths of the product make for superior durability even in the harshest weather conditions.

MAIN AREAS OF APPLICATION

- Cement-, polymer- and bitumen-based waterproofing reinforcement,
- Self-levelling gypsum-based cement skim coating reinforcement
- Reinforcement of cement adhesives on damaged substrates

CHARACTERISTICS

Lica Armor 1000 produces reinforcements with superior elasticity and dimensional stability control guaranteed by the use of polypropylene microfibres with strong resistance to alkaline environments. Easy and speedy application makes the use of **Lica Armor 1000** convenient in restoration work on surfaces to be renovated, avoiding the risk of hairline cracks forming on levelling, skim coatings and waterproofing coatings. **Lica Armor 1000** can be used to reinforce coatings with a thickness of between 1 and 5 mm.

Not for use on expansion joints or in direct contact with the substrate.

APPLICATION METHOD

Preparing the substrate

In general, the substrates must be cleaned from dust, oils and greases, free of rising damp, free from crumbling and inconsistent parts or not perfectly anchored parts such as cement, lime, paint and glue residue which must be completely removed. The substrate must be stable, non-deformable and have already completed its curing hygrometric shrinkage.

Application

Apply the waterproof coatings and skim coatings with a brush, roller, airless spraying, or metal trowel onto the previously prepared, cleaned and dimensionally stable substrate. **Lica Armor 1000** is applied onto the first coat of product while it is still fresh. Spread the fabric and ensure it adheres by pressing it on with a trowel or roller. Overlap the sheets by at least 5 cm. Once hardened, cover **Lica Armor 1000** with a second coat of product. When reinforcing self-levelling coatings, **Lica Armor 1000** should be spread and secured mechanically to the substrate to prevent it floating.



PRODUCT INFORMATION

Description	Technological fabric with 80% polypropylene and 20% PP/PE
Application	Reinforcement for liquid and non-liquid waterproofing products
Colour	White
Total width	1000 mm and 200 mm
Total thickness	0.33 mm
Weight of material	60 g/m ²
Storage	24 months in a cool, dry place away from direct sunlight
Packaging	50 m rolls
Temperature resistance	-5 °C - +90 °C

PERFORMANCE

Characteristic	Test Method	Performance
Longitudinal tensile strength	DIN 527-3	240 N/50 mm
Lateral tensile strength	DIN 527-3	45 N/50 mm
Longitudinal extension prior to breaking	DIN 527-3	30%
Lateral extension prior to breaking	DIN 527-3	120%

WARNINGS

- We advise against application on frozen or thawing substrates.
- Store the material in a place sheltered from direct exposure to sunlight and at temperatures not below +5 °C to avoid compromising the quality of the material.
- In the case of surfaces with evident chalking, peeling or old paint, it is advisable to proceed with thorough cleaning and treatment of the substrate.
- In the case of critical substrates, it is a good idea to check them for suitability beforehand.
- The actual temperature and the degree of air humidity may speed up or slow down the reticulation process.

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.

Data Sheet ref.: 110/17.1