Kimicover LASTIC

ST12-0221

High-performance single-component acrylic resin for the waterproofing of balconies, terraces and occasionally walkable roofs

EN 1504-2 CE

DESCRIPTION

Kimicover LASTIC is a single-component product in water dispersion based on acrylic elastomers.
It is cold applied to waterproof any type of new or existing roofing to be restored.
Once hardened, it turns into a colored waterproofing membrane, resistant to atmospheric agents and thermal shocks with good elasticity. It adheres to substrates such as concrete, bricks, asbestos cement, expanded polyurethane, wood, cement plasters.
It is CE marked as a protective coating according to 1504-2, principles of intervention MC and IR.

ADVANTAGES

- UV-crosslinking technology: UV rays, which generally deteriorate the protective coatings, in this case extend the polymerization over time, the duration of the protective coating; excellent surface resistance; resistant to dirt retention; low superifical adherence.
- It can be applied by roller, brush or sprayed with airless pump.
- Proven durability from work dating back to the early 1980s.

USES

Waterproofing of roofs (both new and to be restored), protection of expanded polyurethane and waterproofing of facades exposed to driving rain.

WORKS

- Monolithic elastic waterproofing of occasionally walkable roofs (**SA21**).

APPLICATION

	Roller or brush application		Complete hardening time: 7 days
	Mechanical device application		Mixing water: 0,25 lt/ 5Kg 1,25 lt/ 25Kg
	Thickness per coat: 1-2 mm for horizontal application		

The subatrates must be clean and mechanically consistent, any holes or irregularities in the substrate must be previously repaired with suitable Kimia products. In case of waterproofing of already tiled surfaces, remove the first row of wall tiles for a height of about 20 cm, perform an acid washing of the surface with **Soluzione P**.
In the case of degraded concrete substrates it will be necessary to check the depth of the degradation and proceed with a proper cortical restoration cycle.
Between 8 and 24 hours prior to the start of operations, the screeds must be treated with a coat of **Kimicover FIX MV** primer.
The points of contact between the screed and the collection wells, the tiles removed, the external edges of the joints, cleaned and possibly rebuilt, will be waterproofed by applying **Kimicover JOINT P** and application of Kimicover LASTIC reinforced with **Kimitech 120** mesh.
The joints between the wall and the floor will be waterproofed by applying **Kimicover JOINT** and applying **Kimicover LASTIC** reinforced with Kimitech 120 mesh.
The joints will be waterproofed by laying **Ethafoam**, sealing with **Tecnoseal 130** or **Tecnoseal 88** (which must be left to cure at least 24 hours) before laying **Kimicover JOINT** elastic strip. The distance between the joints must be evaluated on a case-by-case basis depending on the type of substrates and the expected stresses.
Kimicover LASTIC is a single-component product ready to use with the addition of drinking water in the quantities shown in the table.

It is applied by brush, roller or airless pump in at least two coats in 12 hours, impregnating in the first a layer of **Kimitech 120** or **Kimitech TNT** mesh.
Complete the waterproofing cycle with **Kimicover BLINDO**.

CONSUMPTION
1,5 – 3 Kg/m² depending on the degree of porosity and roughness of the substrate.

PACKAGING
Con Kg 5
Con 25 Kg

STORAGE
Product fears frost; store at a temperature above 5°C.
Store in hermetic containers in a sheltered, dry place. In these conditions the products stability is 24 months.

Characteristics	Typical value
Standard colors	Grey,red,white
Apparent dry bulk EN ISO 2811 -1	1,39 ± 0,05 g/cm³
Dry touch 25°C	1 hour
Complete hardening at 25°C	7 days
Min. temperature of application	+10 °C
Ultraviolet resistance	Excellent
Viscosity (at 20°C and 100r.p.m.) UNI 8490-3	1000 - 3000 mPa·s
Solids content UNI 8309	69 ± 1 %
Elasticity	390 %
Tensile strength 7 days	25 Kg/cm²

Characteristics	Limits EN 1504-2	Typical value
Concrete adhesion EN 1542	Flexible systems without trafficking >0,8 Mpa; with trafficking >1,5 Mpa. Rigid systems without trafficking >1 Mpa; with trafficking >2 MPa.	> 0,8 N/mm²
Permeability EN ISO 7783-2	Class I (permeable to vapour) Sd < 5 m Class II 5 m ≤ Sd ≤ 50 m Class III (not permeable to vapour) Sd > 50 m	Class I
Capillar absorption and water permeability EN 1062-3	< 0,1 Kg/m²·h^{0,5}	< 0,1 Kg/m²·h^{0,5}
Reaction to fire class	Declared value	F

WARNING
Product intended for professional use.
Given the possibility that different supplies of the same raw materials have slightly discordant colors, including a lot of production and the other may be minor color variations that do not affect in any way the technical performance of the products supplied.
Always check the integrity of the packaging before use and do not use the product with lumps.
Use all the material once the packages are opened.
The equipment used for the installation of the product can be cleaned with water before hardening.
Provide for vent chimneys properly placed according to the humidity of the substrate.
After evaluating the thermohygrometric conditions of the environment below the roof, apply an aerator:

- every 40 m² for environments characterized by low humidity and the presence of special layers of vapor diffusion;
- every 20 -25 m² for environments with average humidity;
- every 15 m² for environments with high humidity (swimming pools, environments with special processes, etc.).

Avoid applying the product at temperatures below + 10°C. Pay attention to the presence of condensation.

At low temperatures (below 10°C) the hardening is considerably delayed.
The substrate and the product must be at a temperature of at least 3°C above the dew point to reduce the risk of condensation or blistering of the membrane after laying.
Take all necessary precautions for a good seasoning of the product.
If the application is carried out in conditions of low relative humidity, windiness and sunshine, it is advisable to protect the treated surfaces with protective sheets.
The treated surfaces must be protected from rain, fog or contact with water for at least the first 24 hours after laying.
For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety. All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control. The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

TECHNICAL SPECIFICATIONS

SK21 - Monolithic elastic waterproofing of occasionally walkable roofs

Cleaning (aimed at the total elimination of dust, grease, old varnishes, inconsistent parts, in detachment, with poor mechanical characteristics and any other material that could affect the good anchoring), cortical restoration and/or skimming, priming (in case of tiled surfaces, newly built screeds and/or laid on old membranes) with a coat of Kimicover FIX MV (to be applied between 8 and 24 hours before laying the acrylic coating), preliminary treatment of joints and fittings and subsequent waterproofing with resin based on acrylic elastomers Kimicover Lastic reinforced with Kimitech TNT reinforcement mesh by Kimia SpA or similar products.
The single-component waterproofing resin in aqueous dispersion based on acrylic elastomers to waterproof roofs, terraces, balconies, occasionally walkable will be prepared and applied scrupulously following the indications reported on the technical data sheets provided by the manufacturer and must have the following characteristics:

- Dry touch at 25°C: 1 hour;
- Complete hardening at 25°C: 7 days;
- Solids content UNI 8309: 69 ± 1 %;
- Viscosity (at 20°C and 20r.p.m.) UNI 8490-3 : 1000 - 3000 mPa·s

The product will be CE marked as a type C second protective coating according to EN 1504-2, MC and IR intervention principles.