

Fecha de Alta

19-12-2023

Versión

15 - 27/03/2026 :

**FAMILY** ANTIHUMEDAD E IMPERMEABILIZAC.**LINE** IMPERMEABILIZACION HORIZONTAL**DESCRIPTION AND NATURE**

Single-component 100% polyurethane water-based aliphatic elastic membrane. For terraces and roofs. Waterproofing agent with excellent adhesion, forms a tenacious, seamless, waterproof, breathable, washable, hydrophobic coating that is stable at extreme temperatures. Mesh is essential for higher protection.

**USAGES**

Outdoor/Indoor

Waterproofing of decks, terraces or roofs

Fibre-cement

Roofing tiles

Geotextile

Concrete

Cement

Brick

Catalan tile

Sprayed polyurethane

Previously primed metal: iron, steel, galvanised metal, aluminium, copper, etc.

Asphalt covering after priming

Ceramic

**PROPERTIES**

Capillary absorption and liquid water permeability:  $w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$  according to UNE EN 1504-2; W3 (maximum impermeability) according to UNE EN 1062-1

ClasseReaction classification to external fire: Broof (t1) according to UNE-EN 13501-1

Excellent adhesion. Adhesion by pull-off test: 2.4 MPa (rigid systems with traffic loads  $\geq 2.0 \text{ MPa}$  according to UNE EN 1504-2)

100% waterproof hydrophobic membrane. Resistant to water logging (UNE-EN 1928)

100% aliphatic polyurethane. High resistance to UV radiation. Does not yellow

High flexibility and elasticity in extreme weather conditions. It forms a highly fracture resistant membrane on the substrate. Cracking resistance Class A5 (23°C,  $> 2.5 \text{ mm}$ ) and Class A5 (-10°C,  $> 2.5 \text{ mm}$ ) according to UNE EN 1062-1

Determination of tensile properties according to UNE EN ISO 527-3: 196% elongation and 4 N/mm<sup>2</sup> tensile strength

Solar Reflectance Index (SRI) = 104 [ASTM E1980-1]

Tileable

Passable for heavy or permanent pedestrian traffic (Category P4 according to EAD 030350-00-0402 (Liquid roof waterproofing systems). Adhesion after thermal compatibility according to UNE EN 1504-2  $> 2.0 \text{ MPa}$  for rigid systems under traffic loads

The product can be guaranteed for up to 15 years on brick, Catalan tile or cement mortar. Consult conditions

CE Marking. Complies with UNE EN 1504-2:2005, used for the surface protection of concrete, for the following uses: increase in resistivity by limiting moisture content, moisture control and protection against penetration

Carbon dioxide permeability:  $sD > 50 \text{ m}$  in accordance with UNE EN 1504-2; C1 (anti-carbonation) in accordance with UNE-EN 1062-1

Water vapour permeability: Class I in accordance with UNE EN 1504-2; V2 (highly breathable) in accordance with UNE-EN 1062-1

**TECHNICAL CHARACTERISTICS**

Referencia Color

KORAZA MEMBRANA 100 PU BLANCO

Finish

Semi-matt

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|                                 |   |
|---------------------------------|---|
| Specific weight                 | 1,27± 0,05 kg/l                         |
| Viscosity                       | 130 +/- 10 PO                           |
| Solids in volume                | 42± 1                                   |
| Solids in weight                | 56± 1                                   |
| VOC                             | Cat. i/BA 140/140 (2007/2010):20,16 g/l |
| Aproximated performance by coat | 1,4-2 m <sup>2</sup> /L                 |
| Dry to touch                    | (20°C HR:60%):4-6h                      |
| Dry to repaint                  | (20°C HR:60%):24h                       |
| Colours                         | White 102, Red 152, Grey 189            |

## SURFACE PREPAIRING

### New surfaces

Cement mortar:

1. Wait until fully set (at least 30 days).
2. Clean the surface of any foreign substances, residues and poorly adhered product. Treat mouldy substrates with Monto Limpia Moho.
3. Use abrasive blasting to prevent efflorescence and neutralise alkaline surfaces. On very smooth surfaces, key lightly with sandpaper. Putty with Plasmont Fibra Elástico if necessary.
4. The substrate must be completely dry before preparation. The humidity value measured with a hygrometer must be less than 4%.
5. Apply Fijamont or Epoxy Primer Floors over the entire cement mortar surface to completely seal the substrate.

Catalan tile or matt porous brick:

1. As for cement mortars; application of Fijamont fixative or Epoxy Primer Floors is not required.

Roofing felt, polyurethane foam, ceramic surfaces (tiles, stoneware or similar):

1. Same as on cement mortars, without the need to apply Fijamont, check adhesion. Anchor with Epoxy Primer Floors.

-Ferrous and non-ferrous metal surfaces such as galvanised metals or aluminium:

1. Clean the surface of any foreign substances, residues and poorly adhered product.
2. Apply MONTOPRIMER TOTAL ACQUA as a primer to ensure adhesion.

In the recommended systems, priming with Koraza Primer helps ensure optimal system adhesion and facilitates the incorporation of the fiberglass mesh. Allow to dry for 4-6 hours.

### Restoring and maintenance

1. Completely remove poor-condition or loose old paint.
2. Gloss surfaces should be keyed to ensure good adhesion.
3. On painted surfaces, check that the paint is solid and has good adhesion. Determine the composition of existing paint and check for incompatibilities with the product. Remove all dust and dirt before repainting. If it is not solid, remove to new surface underneath.
4. Before preparing the surface, it must be completely dry, the humidity value measured with a hygrometer should never be higher than 4%.
5. Properly putty the defects in the substrate.
6. On mouldy substrates, pre-treat with Monto Limpia Moho.
7. In the recommended systems, apply one coat of Koraza Prime.
8. For maintenance on already waterproofed surfaces, two coats of 0.35 l/m<sup>2</sup> are recommended.

## WAY OF USE

### Application notes

GENERAL CONSIDERATIONS:

- Shake the product until evenly mixed.
- Do not apply the product at temperatures below 5°C or above 35°C.
- Do not apply with risk of imminent rain or in humid environments.
- The substrate must be completely dry.
- The substrate temperature must be above 5°C to avoid freezing and below 40°C to avoid defects in the application.
- For maximum performance it is recommended not to dilute the product. Ready to use.

Minimum recommended consumption (allow to dry for 24 hours between coats):

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1. 1st coat of 0.5 L/m<sup>2</sup>.
2. Incorporate fibreglass mesh (wet, must be properly impregnated).
3. 2nd coat of 0.5 L/m<sup>2</sup>.
4. 3rd coat of 0.5 L/m<sup>2</sup> (fibreglass mesh must be completely submerged).

For warranty coverage, it is necessary to apply 1.5 L/m<sup>2</sup> and install a fibreglass mesh (check conditions).

## OTHER RECOMMENDATIONS:

It can be in frequent but not permanent contact with water (does not re-emulsify). Resists standing water and suitable for wet areas, but is not intended to be submerged or to protect against permanent accumulation of water. Not suitable for waterproofing water tanks or swimming pools. To ensure watertightness, the reinforcement of singular points and of the entire roof with fibreglass mesh is mandatory for greater mechanical resistance and durability.

In order to avoid stresses on the polyurethane membrane, it is necessary to reinforce active cracks, half-rounds and any other unique element with fibreglass mesh. It must be laid with the membrane fresh, before applying the continuous coating on the rest of the surface. Do not use on substrates with rising damp.

In indoor environments, provide good ventilation and air renewal. Drying times and film curing may vary depending on humidity and ventilation.

In case of tiling or use under screed: apply 2-3 coats with a total consumption of 1.5 L/m<sup>2</sup>. Do not apply more than 0.5 mm per coat (0.6-0.7 L/m<sup>2</sup>). Reinforcement with fibreglass reinforcement mesh, respecting the drying time between coats. After the application of the last layer, silica aggregate shall be applied while the membrane is still wet, with a consumption of 0.5 to 1 kg/m<sup>2</sup> of medium-sized silica aggregate (approx. 350 microns) to ensure proper adhesion of the tiling. Wait at least 72 hours before covering with cement.

**Solvent for dilution and cleaning**

Water

| Way of use         | Aproximate dilution |
|--------------------|---------------------|
| Painting brush     | 0-5%                |
| Roller             | 0-5%                |
| Air-less gun       | 0-10%               |
| Air-mix gun        | 0-10%               |
| Aerographic gun    | 0-10%               |
| Low pressure turbo | 0-10%               |

**SYSTEM****Procedures depending of surface type**

|                                   | Primer                              | Intermedium  | Finish                  |
|-----------------------------------|-------------------------------------|--|-------------------------|
| <b>Tiles, Ceramic Material</b>    |                                     |  |                         |
| <b>MAX</b>                        | Imprimación Epoxi Suelos            | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>STD</b>                        | Imprimación Epoxi Suelos            | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>Masonry mortar</b>             |                                     |  |                         |
| <b>MAX</b>                        | Imprimación Epoxi Suelos            | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>STD</b>                        | Fijamont                            | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>Old paintings in bad state</b> |                                     |  |                         |
| <b>MAX</b>                        | Eliminar + Fijamont + Koraza Primer | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>STD</b>                        | Eliminar + Fijamont                 | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>Asphalt fabric</b>             |                                     |  |                         |
| <b>MAX</b>                        | Imprimación epoxi suelos            | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |

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|            |                          |  |                         |
|------------|--------------------------|--|-------------------------|
| <b>STD</b> | Imprimación epoxi suelos | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
|------------|--------------------------|--|-------------------------|

**Brickwork**

|            |  |  |                         |
|------------|--|--|-------------------------|
| <b>MAX</b> | Koraza Primer                                      | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>STD</b> | Koraza Membrana 100% PU + Malla de fibra de vidrio |  | Koraza Membrana 100% PU |

**Sprayed PUR foam**

|            |                          |  |                         |
|------------|--------------------------|--|-------------------------|
| <b>MAX</b> | Imprimación Epoxi Suelos | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>STD</b> | Imprimación Epoxi Suelos | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |

**Old paintings of lime**

|            |                         |  |                         |
|------------|-------------------------|--|-------------------------|
| <b>MAX</b> | Montoprimer Total Acqua | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |
| <b>STD</b> | Montoprimer Total Acqua | Koraza Membrana 100% PU + Malla de fibra de vidrio | Koraza Membrana 100% PU |

**SECURITY**

Do not eat, neither drink, nor smoke during the application. In case of contact with eyes, wash abundantly with clean water. Keep away from children. Do not throw in darin. Keep product in dry area, under cover and temperature between 5 to 35°C. For further information, please check product safety sheet.

**NOTE**

Maximum recommended storage time : 12 months since its fabrication in its original packaging perfectly closed, stored indoors and at temperatures between 5° and 35°C

Information here indicated is based on our actual knowledge, laboratory testing and taking in count the practical use under specific circumstances.As it is impossible to stablish an adecuate description for every nature and status of the supports to be painted, we are unable to warrant the absolute reproductibility in each specific use

**PACKINGS**

4 L, 15 L