503080

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KORAZA MEMBRANE 1 0 0 PU

TYPE ANTI-HUMIDITY AND WATERPROOFING

LINE HORIZONTAL WATERPROOFING

DESCRIPTION AND NATURE

Single-component, 100% polyurethane, water-based, aliphatic elastic membrane.
Intended for terraces and roofs. Waterproofing with excellent adhesion, forms a water-repellent, durable, jointless, crack-resistant, vapor-permeable, washable and temperature-stable layer.
extremes.
To guarantee efficiency, the use of a reinforcing mesh is essential.

USE

Waterproofing for roofs, terraces or rafters. Also suitable for facades. Outdoor use.

Compatible with the following substrates: Fiber cement Roof
tiles
Geotextile

Concrete
Cement
Brick Ceramic tile "rasilla catalana"
Engineered
polyurethane Pre-primed metal: iron, steel, galvanized sheet metal, aluminum, copper, etc.
Bituminous membrane (with prior priming)
Ceramics

PROPERTIES

Capillary absorption and water permeability (according to UNE EN 1062-3): w < 0.1 kg/m² h^0.5
Water vapour permeability (according to EN ISO 7783-1 / EN ISO 7783-2): Class I – Water vapour permeable
COÿ permeability (according to UNE-EN 1062-6 / EN 1062-11:2002): sD > 50 m
Complies with the UNE EN 1504-2:2005 standard, used for the superficial protection of concrete, for the following uses: - increasing resistivity by limiting moisture content - humidity control - protection against the penetration of external agents

Warranty offered based on a certificate issued by Pinturas Montó SAU: up to 15 years; total consumption for warranty: 1.5 l/m²
100% waterproof water-repellent membrane. Resistant to water puddles (according to UNE-EN 1928)
100% aliphatic polyurethane. High resistance to UV radiation. Does not yellow.
High flexibility and elasticity in extreme climatic conditions. Forms a highly crack-resistant membrane on the substrate.

Can be walked on. High mechanical resistance to heavy pedestrian traffic (according to UNE-EN 13687-3 / UNE-EN 13687-2)
Cracking resistance (according to UNE EN 1062-7/11): Class A5 (at 23°C), Class A5 (at -10°C)
Adhesion by pull-off test (UNE-EN 1542): 2.4 MPa (rigid systems for traffic ÿ 2.0 MPa)
Adhesion after thermal compatibility test (UNE-EN 13687): 2.2 MPa (rigid systems for traffic ÿ 2.0 MPa)
Solar Reflectance Index (SRI) = 104 (according to ASTM E1980-11)
Tensile properties (according to UNE EN ISO 527-3): 196% elongation Reaction to fire classification for exterior use: Broof (t1) (according to UNE-EN 13501-1)
Permeability to liquid water: W3 – maximum impermeability (according to UNE-EN 1062-1)
Carbon dioxide permeability: C1 – anti-carbonation protection (according to UNE-EN 1062-1)
Water vapor permeability: V2 – very permeable (according to UNE-EN 1062-1)
Can be tiled with stoneware/faience (according to UNE-EN 14891, points A.7, A.6.2, A.6.5, A.8.2, A.8.3)

CE

TECHNICAL SPECIFICATIONS

Color	**KORAZA MEMBRANE 100 PU GREY**

KORAZA MEMBRANE 1 0 0 PU

Finish	semi-matt
Specific gravity	1.27± 0.05 kg/l
Solids by volume	42± 1
Solids by weight	56± 1
comm	How. i/ BA 140/ 140 (2007/ 2010): 22.57 g/l
Approximate coverage rate	1.4-2 m²/L
Dry to the touch	(20º C RH: 60%): 4-6h
re-cover	(20º C RH: 60%): 24h
Color	GREY 189

SURFACE PREPARATION

New surfaces

Cement-based mortars:
Clean the substrate of foreign products, residues or poorly adhering materials. Remove any efflorescence with abrasive blasting and neutralize alkaline surfaces. In the case of excessively smooth surfaces, sand lightly to open the pores. If necessary, grout appropriately.

Do not start the treatment before checking that the cement-based substrate is completely hardened and dry (minimum 30 days). The humidity measured with the hygrometer must not exceed 4%.
It is mandatory to apply FIJAMONT primer, properly diluted and in sufficient quantity to completely seal the substrate.
It is highly recommended to subsequently apply a first coat of WATERPROOFING PRIMER, which improves adhesion and facilitates the incorporation of the square-mesh fiberglass mesh.

After 4–6 hours, apply a layer of KORAZA 100% PU.
After 24 hours, apply the second layer of KORAZA 100% PU, incorporating the square-mesh fiberglass mesh and completely cover with product until it is completely embedded.
Let dry for 24 hours, then apply a third coat of KORAZA 100% PU.

Recommended minimum consumption: Three layers of 0.50 l/m². Embed the square-mesh fiberglass mesh in the

second layer.

OTHER SURFACES:

Ceramic surfaces
(surfaces with tiles, sandstone or similar):
Completely remove any trace of contamination using detergent, alcohol or solvent (in the case of detergent, rinse with water afterwards). Apply a coat of IMPRIMACIÓN EPOXI SUELOS or MONTOPRIMER TOTAL ACQUA beforehand.
Concrete surfaces
New floors should not be painted before 28 days, to allow the concrete to fully cure.
Concrete must have a minimum compressive strength of 25 N/mm² and tensile strength of 1.5 N/mm².
The maximum permissible humidity must be below 4% at a depth of 1.5–2 cm (measured with a Tramex type device).
The floor must be cleaned, repaired and even.
It is essential that the surface is well leveled to promote correct anchoring of the product.
Application is done with a brush or roller.
Apply a coat of WATERPROOFING PRIMER beforehand.
Ferrous and non-ferrous metal surfaces
(such as galvanized steel or aluminum):
Use MONTOPRIMER TOTAL ACQUA as an adhesion primer to ensure good anchoring of the final product.

Restoration and maintenance

Completely remove old paints that are in poor condition or have poor adhesion.
Glossy surfaces must be lightly sanded (matted) to ensure good adhesion.
In the case of surfaces already painted, the solidity and anchorage of the existing layer must be checked, its nature diagnosed to avoid possible incompatibilities, then dust and dirt removed before recoating. Otherwise, remove everything down to the original support.

Before preparing the substrate, it must be completely dry – the humidity value measured with the hygrometer must not exceed 4%.

Correctly repair any defects in the substrate with filler materials (putty).
In the case of surfaces affected by mold, pre-treat with MONTOLIMPIADOR.

On friable (non-cohesive) surfaces, apply a coat of WATERPROOFING PRIMER.
For the maintenance of already waterproofed surfaces, it is recommended to apply two layers of 0.35 l/m² each.

HOW TO USE

Application tips.

GENERAL CONSIDERATIONS:
Shake the product until completely homogenized.
Do not apply the product at temperatures below 5 °C or above 35 °C, nor in conditions where there is an imminent risk of rain. The substrate must be completely dry. The substrate temperature must be above 5 °C to avoid frost. Apply the product only when the temperature is at least 3 °C above the dew point.
For maximum performance, it is recommended not to dilute the product. It is ready to use.
Sanitize and clean the surface, completely removing any type of dirt, grease, rust, moss, algae, lichen, mold or other contaminants. The surfaces must be clean, solid and free of poorly adhering elements (mechanically remove efflorescence, chalk dust and other imperfections of the film-forming layer).

OTHER RECOMMENDATIONS:
The product can come into frequent contact with water, but not permanently (it does not re-emulsify).
It is resistant to standing water and suitable for wet areas, but is not designed to protect against permanent accumulations of water.

Not suitable for waterproofing water tanks or swimming pools.
To ensure tightness, it is mandatory to reinforce individual points with fiberglass mesh / geotextile tape (50–100 g/m²) and full surface reinforcement with geotextile is recommended for superior mechanical resistance and durability.

To avoid stresses on the polyurethane membrane, it is necessary to reinforce active cracks, concave joints (inner corners) and other sensitive elements with fiberglass mesh / geotextile tape (50–100 g/m²).
This must be integrated onto the fresh layer of membrane, before applying the continuous coating to the rest of the surface.
Do not use the product on substrates with rising humidity.
It is recommended not to apply if rain is expected in the next 24 hours.
Avoid application in high humidity conditions.
In indoor spaces, ensure good ventilation and air refreshment.
Drying time and film hardening may vary depending on humidity and air circulation.
In case of tiling or use under a finishing layer (screed):
Apply 2–3 coats, with a total consumption of 1.3–1.8 L/m² (equivalent to 1.5–2 kg/m²).
Do not apply more than 0.5 mm per layer (approximately 0.6–0.7 L/m²).
Reinforcement will be done with fiberglass mesh, respecting the drying time between layers.
After applying the last layer, silica sand will be sprinkled (on the still wet membrane), with a consumption of 0.5–1 kg/m² of medium-grained sand (approx. 350 microns), to ensure good adhesion of the ceramic tiles.
Wait a minimum of 72 hours before covering with adhesive/cement.

Thinner and cleaning:
Water

Application method	Indicative dilution
Brush	0-5%
Roller (roll)	0-5%
Airless gun	0-10%
Air mix gun	0-10%
Turbine airbrush gun	0-10%
– low pressure	0-10%

AND COAT OF ARMS

Processes by type of support

	I m prim ation	In the meantime	acabado
Antiguas pinturas en m al estado			
MAX Elim inar + Primer I m permeabilization		Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Prim er I m perm eabilización			Koraza Membrane 100% PU
Asphalt fabric			

MAX Soilless epoxy primer	Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Im prim ación epoxy soilos		Koraza Membrane 100% PU
Brick		
MAX Prim er I m perm eabilización	Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Koraza Membrane 100% diluted PU		Koraza Membrane 100% PU
Removable supports		
MAX Elim inar + Primer Waterproofing	Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Prim er I m perm eabilización		Koraza Membrane 100% PU
Metallic surfaces		
MAX Montoprimer total acqua	Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Montoprimer total acqua		Koraza Membrane 100% PU
PUR foam projected		
MAX Koraza Membrane 100% diluted PU	Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Koraza Membrane 100% diluted PU		Koraza Membrane 100% PU
Cement mortar		
MAX Prim er I m perm eabilización	Koraza Mem brane 100% PU + Fiber mesh + Koraza Mem brane 100% PU	Koraza Membrane 100% PU
STD Prim er im perm eabilización		Koraza Membrane 100% PU

SECURITY

Do not eat, drink or smoke while applying the product.
In case of contact with eyes, rinse immediately with plenty of clean water.
Keep out of reach of children.
Do not dispose of waste into the sewer system.
Store the product in dry places, protected from the weather, at temperatures between 5 and 35°C.
For more information, see the product safety data sheet.

NOTE

For maximal of storage recommended:
12 months from the date of manufacture, in the original, perfectly closed packaging, stored in a sheltered place and at temperatures between 5ºC and 35ºC.

The information presented here is based on our current knowledge, laboratory tests and practical use under objective conditions.
specific and on base SOME assessments
Due to the impossibility of accurately describing the nature and condition of each type of support to be painted, we cannot guarantee perfect reproduction of the results in each specific case of use.

PACKAGING

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