

ROOF PROTECTION CAM

**Ready-to-use elastic fluid membrane for outdoor waterproofing.
In compliance with CE EN 1504-2 and CE EN 1504-9 standards.
CAM certified according to UNI ISO 14021.**



Product identification

ROOF PROTECTION is a coloured, ready-to-use and totally solvent-free fluid polymeric membrane, based on acrylic polymers in water dispersion, for outdoor waterproofing applications. It allows easy application on horizontal, inclined or vertical surfaces, spreadable with a long-haired roller, brush, spatula and even by spray.

After drying, ROOF PROTECTION acquires the properties of an elastic, non-sticky and resistant membrane.

The elasticity of the product allows it to withstand the normal expansion and shrinkage movements of the substrate due to changes in temperature and settling.

The special formulation eliminates slippage for the vertical and horizontal application of reinforcing fabrics, such as EDMEC TNT100 or corner reinforcements such as EDMOBAND BT.

The product is formulated with ecological materials to reduce CO2 emissions, as well as being quartz, APEO and free. CAM certificate according to UNI ISO 14021 issued by the international body SGS Italia.

Main applications

<u>Supports</u>	<u>Jobs</u>
Cement plasters	Waterproofing and protection of flat roofs, bituminous coverings and external surfaces.
Cement screeds	Civil
Mineral screeds	Industrial
Concrete	Commercial
Cured concrete	<u>Do not use</u>
Ceramic tiles	-To waterproof surfaces with high pedestrian traffic.
Stone material	-On substrates that are not perfectly anchored, subject to rising humidity, wet, humid.
Tiles	-In unfavorable environmental conditions or with imminent rain.
Old bituminous sheaths	-On recently constructed bituminous coverings (< 6 months).
Aluminum, steel, iron, copper, wooden floors	-On surfaces where heavy objects are expected to drag.
Fiberglass (after sanding)	
Fiber cement sheets	
Old acrylic liquid sheaths	
PVC coverings (after sanding)	

Plus product

- ❖ Ready to use.
- ❖ Excellent spreadability.

- ❖ Excellent elasticity.
- ❖ Can be used on numerous surfaces.
- ❖ Good *crack-bridging capabilities* .
- ❖ Total hydrophobicity .

Preparation of the support

- ❖ In summary, the installation support must be free from humidity, salty efflorescence, dust, grease, rust, old paint, mould, loose parts and any situation that would compromise good adhesion.
- ❖ Restore degraded, missing parts or gravel nests and fill any differences in flatness with total maturation.
- ❖ On old stable and perfectly anchored floors, completely remove any detaching layers such as waxes, water-repellent treatments, etc., by using specific products or sanding as well as removing any condensation or residues of washing water.
- ❖ In the case of old ceramic floors with empty joints, restore them using CP250 VELOCE before applying ROOF PROTECTION.
- ❖ In the case of bituminous membranes, wash the surface thoroughly with water and let it dry before priming with HYDRO PROTECTION PRIMER.
- ❖ In the case of non-absorbent supports, such as metal supports, or highly absorbent ones, prime the support with HYDRO PROTECTION PRIMER.

Ways of use

- ❖ Apply ROOF PROTECTION evenly in two coats and at thicknesses of approximately 0.5 mm per coat; wait about 10 hours until the first coat is sufficiently dry, checking that the product has a darker and more opaque colour, before applying the next coat so as to cross the first.
- ❖ The final thickness of the two coats of ROOF PROTECTION must never be less than 1 mm in order to create a consistent, elastic and continuous film, taking care that there are no interruptions due to imperfections in the substrate.
- ❖ In situations of use, where there are corners, especially between walls and attics, it is always advisable to embed the EDMEC TNT100 fabric between one coat and another, which significantly improves the natural thermal and settling expansions over time also due from the structural arrows.
- ❖ In corner situations where normal settlement expansions are expected, always use the special EDMOBAND PT 150 or EDMOBAND TPE 120 reinforcing tapes, completely embedded between one coat and the other of product.
- ❖ Protect the ROOF PROTECTION membrane from rain until completely dry.

Warnings and precautions for use

- ❖ Apply HYDRO PROTECTION PRIMER at temperatures between +5°C and +35°C
- ❖ Always comply with current regulations and national provisions.
- ❖ ROOF PROTECTION must always be used in areas not subject to continuous foot traffic.
- ❖ Do not apply ROOF PROTECTION on cementitious substrates with residual humidity greater than 3% or subject to continuous rising humidity.
- ❖ Do not apply ROOF PROTECTION on friable cementitious supports or on pre-existing floors that do not adhere well to the support or with surface treatments that hinder adhesion.
- ❖ Do not use ROOF PROTECTION to mask cracks.
- ❖ Protect from rain until the first coat is completely dry and 10 hours after applying the second coat. (this performance varies based on temperature and humidity).

Cleaning

Cleaning of tools and any product residues from surfaces must be carried out with water on fresh product. Once hardened, the product can be removed mechanically or with the use of solvents.

Warranty

<u>Durability</u>	<u>Number and type of layer</u>	<u>Thickness per coat</u>	<u>Consumption per hand</u>
<u>5 YEARS</u> <u>With 2 hands</u>	HYDRO PROTECTIN PRIMER	-	Approximately 0.2 kg/m ²
	2 coats of ROOF PROTECTION	0.5mm	≥ 1 kg/m ²
<u>10 YEARS</u> <u>3 coats + reinforcement fabric</u>	HYDRO PROTECTIN PRIMER	-	Approximately 0.2 kg/m ²
	1 coat of ROOF PROTECTION with TNT100	1 mm	≥ 2 kg/m ²
	2 coats of ROOF PROTECTION	0.5mm	≥ 1 kg/m ²
<u>15 YEARS</u> <u>4 coats + reinforcement fabric</u>	HYDRO PROTECTIN PRIMER	-	Approximately 0.2 kg/m ²
	1 coat of ROOF PROTECTION	0.5mm	≥ 1 kg/m ²
	1 coat of ROOF PROTECTION with TNT100	1 mm	≥ 2 kg/m ²
	2 coats of ROOF PROTECTION	0.5mm	≥ 1 kg/m ²

Technical data

<u>Description</u>	<u>Data measured at +23°C & 50% RH</u>	
<u>Density mass</u>	1.40 Kg/dm ³ ±10%	
<u>Brookfield viscosity</u>	10000 mP a-s	
<u>Minimum filming temperature</u>	+5°C	
<u>Application temperature</u>	From +5°C to +35°C	
<u>Waiting time between first and second coat</u>	Approximately 10 hours (when dry to the touch)	
<u>Complete drying</u>	48 hours	
<u>Reaction to fire</u>	Class E	EN 13501-1
<u>CO₂ permeability</u>	$S_D > 50 \text{ m}$	EN 1062-6
<u>Water vapor permeability</u>	Class I	EN ISO 7783-1
<u>Capillary absorption and water permeability</u>	$w < 0.1 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$	EN 1062-3
<u>Direct traction grip</u>	≥ 0.8 MPa	EN 1542
<u>Thermal compatibility of freeze-thaw cycles without immersion in de-icing salts</u>	≥ 0.8 MPa	EN 13687-1
<u>Exposure to artificial atmospheric agents</u>	No visible defects, slight color variation	EN 1062-11
<u>Resistance to cracking (Crack- Bridging)</u>	Class A4 (23°C), A4 (0°C), B2 (0°C)	EN 1062-7
<u>Color</u>	White, Sand, Grey, Red, Green	
<u>Wet yield</u>	1.3 Kg/m ² per mm of thickness	
<u>Yield per 1 mm of dry product</u>	1.8 Kg/m ² per mm of thickness	
<p><i>The information contained in this sheet is the result of knowledge and tests available at the date of publication. DM SRLS UNIPERSONALE does not assume any responsibility for damage to persons or property resulting from improper use of such information and reserves the right to modify the data without notice.</i></p>		
<p><i>For anything not reported, contact EDMEC technical service</i></p>		

For further technical information:
EDMEC DM
Via Scala n°628/D
41038 San Felice s/P (MO)
Part. VAT and Fiscal Code: 03728460365
info@edmec.it