

**INNOVATIVE SYSTEMS**

REV. 156012

**COPER EVOLUZIONE**

Innovative, new generation, single component, waterproof, water based, liquid membrane

**FEATURES**

**COPER EVOLUZIONE** is a one-component, waterproofing, innovative, ready to use, liquid membrane, based on synthetic resins in aqueous dispersion and selected aggregates.

It is also easy to apply with a roller or brush and the product ensures a high coverage and adhesion making it suitable for use in horizontal and vertical applications.

Once dry, **COPER EVOLUZIONE** forms a waterproof lining, elastic and can be walked on. It is UV-resistant and weatherproof giving long lasting results.

**FIELDS OF USE**

It is ideal for the waterproofing of flat roofs, terraces, balconies, underground floors and foundations.

You can apply the **COPER EVOLUTION** before laying of ceramic floor and wall tiles, natural stone tiles and mosaic. It is also suitable, due to its strong adhesion for use on wooden roofs or on sheet metal.

**SURFACE PREPARATION**

It is very important that the surface to be waterproofing is completely dry, not subject to stagnant water, clean, devoid of flaking or separating parts, free from oils, grease, mould, paints, etc.

**DETAILED RULES FOR APPLICATION**

Mix well the product before applying. Then apply with brush, roller or spray in both horizontal and vertically at least two layers. Before application of the membrane, to guarantee a total continuity and waterproofing system, to guarantee a total continuity and long lasting waterproofing, you must waterproof the corners between parapet wall and floor, cracks and expansion joints with **GIUNTO BOND** (waterproof elastic strip) prior to the application of the **COPER EVOLUZIONE** on the flat surfaces.

The system for application requires that the corners, cracks or joints are cleaned out properly. Then on the cracks and joints only a strip of common masking tape is applied over the gap. Then apply on each side of the tape the **COPER EVOLUZIONE** to a width slightly wider than the **GIUNTO BOND**, circa 12cm. Then place the **GIUNTO BOND** onto the still wet **COPER EVOLUZIONE**, pressing it down to make sure it has good adhesion. Once this is dry apply a second layer of **COPER EVOLUZIONE** to the **GIUNTO BOND** covering it completely. For corners there are special **GIUNTO BOND** pieces called **ANGULAR B10** and B11. On corners no masking tape is needed.

You can strengthen the membrane with glass fibre netting **RETE PB** or with geotextile **VELO VITA** embedded in the first layer of **COPER EVOLUTION**; in this case proceed with 2<sup>nd</sup> layer directly onto netting before first layers has dried completely. For applications without reinforcement apply the second coat the next day.

**WARNINGS**

- Do not add water to this product.
- For new projects, prepare the screed with appropriate inclination to avoid water stagnation; for interventions on existing projects, check for the slopes prior to application of **COPER EVOLUTION**.
- Avoid applying below 5° C or above 35° c.
- Do not apply on wet surfaces.
- Do not apply with the threat of rain during rain, strong sun or high winds.
- Protect from the rain or from accidental water in the first 24 hours, taking care also that the temperature never drops to zero degrees.
- In the presence of high humidity, curing and drying times can increase considerably.
- On old or very absorbent surfaces, we recommend our primer **VIDUEST** or **MALTA OSMOTICA 2C (A + B)**.
- Do not use for painting of tanks intend to contain potable water.
- Keep from freezing.

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**TECHNICAL DATA**

DILUTION	- ready to use, DO NOT ADD WATER
COMPOSITION	- synthetic resins in water dispersion - selected aggregates - waterproofing additives
BROOKFIELD VISCOSITY	185,000 ± 2000 CPS
PH	8.1 ~ 9.0
DRY RESIDUE	75%
COLOR	Coloured or white COLOR
YIELD	1.6/2.0 Kg x sqm x two coats
PACKAGING	pails of 6 or 20 Kg
DRYING	-touch 2 hours at 20° C -total 7 days curing (depending on the temperature)
TMF	5° C
TMA	10° C ~ 45° C
ABRASION RESISTANCE	Discreet
TENSILE STRENGTH	200 kg/cmq
TOXICITY	non toxic product
PEDESTRIAN	Possibility to walk over
STORAGE	18 months. Store the product in a cool, dry place, sheltered from freezing away from heat sources.

**ATTENTION**

*Information, data and the above mentioned indications are the result of our best technical knowledge and experience; nonetheless, this data is to be considered as purely indicative. It is therefore the user's responsibility to verify, assuming complete responsibility, product compatibility with the intended use. Since it is not possible for us to intervene directly on the conditions of construction sites and on the performance of the work in this regard, we recommend an onsite test in order to verify the suitability of the product for use.*

The values of this technical data sheet refer to laboratory tests performed in a conditioned environment. They may vary in implementation on site due to the weather condition.