

# EDMOLASTIC FLEX CAM

**Quick-drying two-component premixed cement for waterproofing and safe installation.**

**In compliance with EN 14891 and EN 1504-2 standards  
UNI EN ISO 14021 certified.**



## Product identification

EDMOLASTIC FLEX is a two-component premix composed of cementitious binders and synthetic polymers in water dispersion.

By mixing the two components, a flexible and waterproofing cement mortar is obtained that can be easily worked with a trowel both horizontally and vertically without dripping, with very short drying times.

It can also be used with PFT G4 plastering machines within 30 minutes of preparation.

It is also designed for surfaces such as concrete, plaster, masonry, ceramic and natural stone, in both internal situations, such as bathrooms and showers, and external situations such as balconies, terraces, swimming pools.

The product is formulated with ecological materials to reduce CO2 emissions, as well as being quartz and APEO free.

It complies with the minimum environmental criteria (CAM) and is certified UNI EN ISO 14021 with the international body SGS.

## Plus product

- ❖ Excellent workability.
- ❖ Can be used on numerous surfaces.
- ❖ *crack-bridging* capabilities even at low temperatures.
- ❖ Guaranteed waterproofing with just 2mm.
- ❖ Very short drying times.

## Main applications

<u>Supports</u>	<u>Jobs</u>
Cement plasters	Waterproofing of supports and screeds for the installation of internal and external coverings
Cement screeds	Terraces and balconies
Mineral screeds	Swimming pools
Concrete	Bathrooms and showers
Cured concrete	Civil
Plasterboard (internal use only)	Industrial
Ceramic tiles	Commercial
Stone material	
Tiles	

### Do not use

On wood, metal, bituminous sheaths, to waterproof exposed surfaces, on inverted roof insulation made with insulating panels or lightened screeds, on cementitious supports that are not adequately cured

### Preparation of the support

- ❖ In summary, the installation support must be free from humidity, efflorescence, salt, dust, grease, 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.
- ❖ Before application, moisten the absorbent surfaces, avoiding saturating them.
- ❖ Pay particular attention to connections between vertical and horizontal surfaces and to structural joints
- ❖ In the case of structural joints or connections between horizontal and vertical surfaces, use EDMOBAND TPE 120 for corners of supports to be covered with tiles such as showers, bathrooms and kitchens; in situations where greater resistance to chlorine or deformations is necessary, such as swimming pools, cantilevered balcony slabs, large terraces and attics, use EDMOBAND BT 109, EDMOBAND BT 164, EDMOBAND BT 330.

### Preparation of EDMOLASTIC

To prepare EDMOLASTIC FLEX, pour component B into a clean container and slowly introduce component A while mechanically stirring the mixture.

Mix the mixture for a few minutes until homogeneous, using a low speed stirrer to avoid excessive incorporation of air. If you prefer a more fluid mortar, you can add up to 10% more component B.

### Ways of use

- ❖ Apply EDMOLASTIC FLEX evenly in two coats and at thicknesses of 1-2 mm per coat, using a spatula.
- ❖ In order to create a good waterproofing solution, drown the mesh superficially in the first coat and wait about 2 hours to apply the second.
- ❖ The final thickness of the two coats of EDMOLASTIC FLEX must never be less than 2 mm in order to create a consistent and continuous waterproof surface, taking care that there are no interruptions due to imperfections in the substrate.
- ❖ The coverings can be laid 1 day after the second coat, depending on the conditions of the working environment (a preventive check of adequate hardening before laying the tiles is advisable).
- ❖ For the installation works above of ceramics, stone material or mosaics, in order to maintain the right elasticity and adhesion, it is advisable to use highly deformable class C2 EDMEC adhesives, for example: on balconies and terraces use CP 300 (class C2TE S1), CP 350 (C2TE S1 class), fast CP 350 (C2FT S1 class) or CP 400 (C2TE S2 class); in the case of internal surfaces not particularly subject to expansion for the installation of floors, walls and mosaics, use CP 250 flex (class C2TE), CP 250 fast (class C2F), or better yet CP 300 (class C2TE S1) or CP 350 fast (C2FT S1 class).

### Warnings and precautions for use

- ❖ Apply EDMOLASTIC FLEX at temperatures between +5°C and +35°C.
- ❖ Do not prepare the dough by hand.
- ❖ Do not add other foreign components to EDMOLASTIC FLEX
- ❖ Do not use on supports saturated with water
- ❖ Do not apply EDMOLASTIC FLEX in thicknesses greater than 2 mm per coat
- ❖ the final thickness of EDMOLASTIC FLEX must not exceed 4 mm
- ❖ Do not add quantities of water other than those recommended.
- ❖ The product is waterproof only after complete drying 7 days after application.
- ❖ Always install the armor after the first coat

### 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.

## Technical data

<u>Description</u>	<u>Data measured at +23°C &amp; 50% RH</u>	
<b><u>Dough density</u></b>	1.45 Kg/dm <sup>3</sup> ±10%	
<b><u>Dough consistency</u></b>	Fluid	
<b><u>Color of the dough</u></b>	Grey	
<b><u>Wet yield</u></b>	1.45 Kg/m <sup>2</sup> per mm of thickness	
<b><u>Dry product yield</u></b>	2 Kg/m <sup>2</sup> per mm of thickness	
<b><u>Dough ratio</u></b>	Component A : component B = 3 : 1	
<b><u>Application temperature</u></b>	From +5°C to +35°C	
<b><u>Waiting time between first and second coat</u></b>	2 hours	
<b><u>Waiting time for the installation of the covering</u></b>	2 to 5 days, depending on temperature and humidity conditions	
<b><u>Complete drying</u></b>	7 days	
<b><u>Initial membership</u></b>	≥ 1.7 N/mm <sup>2</sup>	EN 14891-A.6.2
<b><u>Adhesion after immersion with water</u></b>	≥ 0.8 N/mm <sup>2</sup>	EN 14891-A.6.3
<b><u>Adhesion after heat action</u></b>	≥ 1.7 N/mm <sup>2</sup>	EN 14891-A.6.5
<b><u>Adhesion after freeze-thaw cycles</u></b>	≥ 0.8 N/mm <sup>2</sup>	EN 14891-A.6.6
<b><u>Adhesion after immersion in basic solution</u></b>	≥ 1.1 N/mm <sup>2</sup>	EN 14891-A.6.9
<b><u>Adhesion after immersion in chlorinated water</u></b>	≥ 0.7 N/mm <sup>2</sup>	EN 14891-A.6.7
<b><u>Crack- bridging under standard conditions</u></b>	≥ 0.75 mm	EN 14891-A.8.2
<b><u>Crack- bridging at low temperatures (-5°C)</u></b>	≥ 0.75 mm	EN 14891-A.8.3
<b><u>Impermeable to water under pressure</u></b>	No penetration at least 2 mm of dry product	EN 14891-A.7
<b><u>Impermeability expressed in water permeability W</u></b>	W < 0.1 kg/m <sup>2</sup> h <sup>0.5</sup>	EN 1602-3
<b><u>Water vapor permeability expressed in equivalent air thickness S<sub>d</sub></u></b>	S <sub>d</sub> < 3 ; Class I	EN ISO 7783
<b><u>CO<sub>2</sub> permeability expressed as diffusion in equivalent air thickness S<sub>d</sub></u></b>	S <sub>d</sub> > 50 m	EN 1062-6
<b><u>Adhesion to concrete by direct traction</u></b>	≥ 1.0 MPa	EN 1542
<b><u>Thermal compatibility after freeze-thaw cycles with de-icing salts (50 cycles) after storm cycles (10 cycles)</u></b>	≥ 0.8 MPa	EN 13687-1 EN 13687-2
<b><u>crack- bridging at +23°C after conditioning for 7 days at +70°C</u></b>	Class A4 ( +23°C ) (> 1.25 mm)	EN 1062-7
<b><u>Reaction to fire</u></b>	B s1 d0	EN 13501-1
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