

Ecopox multicapa 3C

Water-based epoxy mortar with granulated steel treated components: A+B+C



Characteristics

- Tricomponent product (A+B+C) based on water-based epoxy resin.
 - A - Aminic resin in aqueous vehicle
 - B - Epoxy resin
 - C - Pre-made based on post-treated metallic granules and inorganic additives.
- The mortar makes it possible to obtain coatings with high wear resistance even at minimum thicknesses. It is able to harden in the presence of humidity and has excellent permeability characteristics.

Performances (25°C – 50% H.R.)

- Specific weight: 2,5 +/- 0,1 g/ml
- Viscosity: 4.000 +/- 800 Mp
- Compression (>7 days): >30 N/mm2 (spindle 3, rpm 5)
- Bending load (>7 days) : >20 N/mm2
- Dry residue: 84,3% en peso

**These results are from standard tests and may vary depending on site conditions.*

Technical data

• Packing	Pack (A+B+C): 17,5 kg
• Application temperatures	10-30°C
• Consumption	0,5 – 1 kg/m2 (1 layer)
• Color	Cement gray
• Dosage (A+B+C)	A=45, B=30, C=100
• Flash point	Not applicable
• Pot life (50% HR)	5°C :>30min 25°C: >20min 30°C: >10min
• Dry to touch (50% HR)	5°C:15-18hs 25°C:8-10hs 30°C:4-5hs
• Pedestrian traffic (50% HR)	25°C: >8 hours
• Tool cleansing	Water
• Storage	In sealed original container (5-35°C), protected from weather and humidity: 1 year *B-component, sensitive to air humidity

Enforcements

- For industrial floorings with heavy surface wear.
- For floors in warehouses and commercial premises subject to high traffic.
- In interiors.

Supports

- The support must have a minimum mechanical resistance to compression of 25 N/mm2 and to of 25 N/mm2 and a tensile strength of 1.5 N/mm2.

Support preparation

The concrete floors must be solid, level, absorbent, not contaminated with oil, dust or other substances. The most suitable type of mechanical preparation should be performed (abrasive machine, sander or pressure washer) and then apply a coat of **Paviplast epoxy**.

- Oily surfaces should be deeply roughened and treated with a mixture of **Pavex-2c primer + quartz** or over the freshly applied resin, sprinkle the quartz to saturation. The same solution can be adopted to smooth out irregularities in the substrate, such as grooves left by the roughing machine, to consolidate the base and ensure a guarantee of solidity.

- On new concrete with a setting time >28 days.

P.D.

- This treatment reduces the breathability of the coating.
- The tile bottoms must be roughened vigorously.
- The non adhered tiles must be eliminated, and restored with **Pavirapid**.
- The irregular surfaces can be smoothed, smoothing with **Pavex-2c primer + quartz**.

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Application

Independently prepare the mixture of the 2 liquid components A+B by pouring the contents of component B into the container of component A and mix with a whisk at low revolutions for at least 2 minutes. Add to the mixture A+B the part of component C (powder), mix with the whisk for about 1 minute. To optimally disperse the product, it is convenient to pour the powder little by little, continuing the remixing. Spread and distribute the mixture quickly with a trowel, at a consumption of 0.5 -1.0 kg/m² per each pass.

Finish the surface with **Pavex water** or **Orfaplol 50**, with an approximate consumption of 0.15 kg/m².

** If Ecopox multilayer 3c is to be coated with non-breathable paint, it is advisable to wait at least 24 hours to allow the water to evaporate completely.

Usage ways

Mix components A + B with a whisk at low speed for at least 2 minutes, add component C and mix for about 1 minute until perfectly homogenized.

The application can be done with a steel or rubber trowel.

Associated products

- Pavex wáter
- Pavirapid
- Pavex-2c primer
- Paviplast epoxi
- Orfapol 50
- Cuarzo



Packing

Pack (A+B+C): 17,5 kg

Color

Cement gray

Consumption

0,5 – 1 kg/m² (1 layer)

Preservation

In original closed container (5-35°C), protected from weather and humidity: 1 year*.

*B-component, sensitive to air humidity

! IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.