

EpoxyCoat EC500

2K EPOXY TOPCOAT

A premium two-component topcoat epoxy coat designed to provide exceptional protection and durability to your concrete and metal surfaces. This high-performance epoxy is engineered to offer superior mechanical strength, making it the perfect solution for heavy-traffic areas and industrial applications.



TECHNICAL CHARACTERISTICS

Shade	Different shades
Viscosity (A+B)	1.500 – 2.000 mPa•s at 23°C
Density (A+B)	1.27 ± 0,02 gr/cm ³
Ratio (A:B)	3Kg A with 1Kg B
Pot life	2-3h
Recoating (*)	12-48h
Walkability (*)	2 days
Full hardening	7days
Spreading rate	150-200 gr/m ² per coat
Dilution	5-10% with epoxy thinner

NOTE (*): (*) The exact time depends on the temperature and relative humidity prevailing during application and drying.

USES

Ideal for surfaces from:

- Concrete
- Stone
- Industrial flooring
- Forged cement
- Stamped concrete
- Mosaic flooring

CHARACTERISTICS

- Strong adhesion
- Perfect floor protection
- Good mechanical and chemical resistance
- Easy to spread

APPLICATION

The EpoxyCoat Primer EC110 is ideal for indoor applications on both new and existing metal and concrete surfaces and boasting impressive adhesive strength and impact resistance. Its superior formulation not only restores old surfaces but also extends the life of the substrate, improving the overall economic performance of the system.

STORAGE

One year in closed container, at temperatures between 5° C – 35° C.

TOOLS CLEANING

While working, keep the tools "wet" in the container or in the paint bucket. Drain off the paint well from tools into the container and clean them with Epoxy or Nitro Thinner.

RESTRICTIONS

- Do not apply at temperatures below 5°C or above 35°C.
- Do not apply when the air relative humidity is higher than 70%.
- Wet surfaces should be allowed to dry thoroughly before application.
- The fresh painted surface should be protected from cold and humidity or at least 24 hours.

SURFACE PREPARATION

- It is applied on dry, clean surfaces free of materials that prevent adhesion.
- The moisture of the substrate should not be more than 4% and be protected damp.
- The concrete substrate must be stable with sufficient compressive strength > 25 N/mm² and tensile strength > 1.5 N/mm².
- The substrate must be at least 3 °C above the dew point to reduce the risk of condensation or bubbles at the coating finish.
- Priming of the surface (if required) with EPOXYCOAT EC110 in one coat (two coats are required in cases of substrates with increased porosity).
- Cracks and holes are filled with epoxy putty or a mixture of EPOXYCOAT EC110 and quartz sand in a ratio of 1: 3 by weight

APPLICATION

- Stir component A with component B with a low speed stirrer for 2-3 minutes. Then leave the mixture for 30sec and then repeat the stirring for another 1 minute.
- Caution! The entire amount of A to B component must be stirred in the proportion given in each set. If a smaller amount of final product is to be applied then weighing the ingredients in the same weight ratio is required.
- Care should also be taken not to leave the final material (A + B) in the container for more than 2-3 hours without working because the material will start to coagulate and it will be impossible to work afterwards.
- Apply in two coats controlling the maximum recoating intervals. If the maximum recoating time is exceeded, the surface should be 'roughened' to ensure good adhesion.

VOC CATEGORY

Product of Category A/j (SB) "Two-pack reactive performance coatings for specific end use such as floors" of European Directive 2004/42 / EC. Category VOC limit value: 500gr/ltr. The maximum VOC content of the ready-to-use product is <499gr/ltr.