

# AC 110®

## 2-C Epoxy Primer

**Product description:**

AC 110 is an unpigmented, solvent-free and unfilled 2-component reactive polymer with an epoxy resin base.

**Application:**

AC 110 is a general purpose primer for chemically/mechanically stressed surfaces. Optimised for use under AC 130 topcoat and other solvent-free coating systems as well as for application under AC 192 renovation mortar.

To ensure a particularly non-slip coating, AC 800 quartz sand (grading curve 0.3 - 0.8 mm or 0.6 - 1.2 mm, approx. 2 kg/m<sup>2</sup>) can be sprinkled into the wet AC 110 primer. Approximately 500 g/m<sup>2</sup> of the AC 110 primer must be applied for gritted surfaces (slip resistance). After curing, the coating is finished with AC 130 topcoat.

When combined with AC 130R, at least 400 g/m<sup>2</sup> of AC 110 primer must be applied. The subsequent coating of 2C epoxy AC 110 primer should be applied as soon as possible. Always clean the surface to be primed with AC 600 special cleaner beforehand.

**Properties:**

AC 110 is very low viscosity and highly capillary active. As a result, it penetrates well into even the finest pores and capillaries, even at low temperatures.

AC 110 is impermeable to carbon dioxide, thus protecting the reinforced concrete surfaces and providing the reinforcement with corrosion protection.

Once fully cured, AC 110 is resistant to water, seawater and waste water, as well as to a wide range of alkalis, dilute acids, saline solutions, mineral oils, lubricants and fuels, as well as many solvents, and at the same time offers a high level of resistance to chemical and mechanical effects.

Some colour change can be expected when exposed to UV light on account of the binder. This does not affect the technical properties of AC 110.

Before applying AC 110, make sure to read and observe the "General Technical Information/Safety Instructions for Reactive Resins" supplied with the product!

**Other information:** GISCODE: RE30 (epoxy resin products, sensitising, totally solid)

The product is physiologically harmless after it has completely cured.

**CE mark:**

DIN EN 13813 "Screed material and floor screeds - Screed materials - Properties and requirements" (Jan. 2003) sets out the requirements for screed materials used for the construction of indoor floors. Polymer coatings and sealants are also covered by this standard. Products that comply with the above standard must be CE marked.

**Technical data:**

Colour shade	: transparent, slightly yellowish
Mixing ratio	: 2 : 1
Density at 23 °C	: 1.1 g/cm <sup>3</sup>
Viscosity at 25 °C - comp. A	: approx. 800 - 1,000 mPas.
Viscosity at 25 °C - comp. B	: approx. 150-200 mPas.
Application time at 10 °C	: approx. 40 - 45 minutes
Application time at 20 °C	: approx. 20 - 25 minutes
Application time at 30 °C	: approx. 10 - 15 minutes
Can be recoated at 10 °C	: after 24 - 36 hours
Can be recoated at 20 °C	: after 12 - 16 hours
100% cured	: after 7 days (20 °C)
Minimum working temperature	: 10 °C on the surface
Material consumption	: min. 300 g/m <sup>2</sup> depending on the surface
Container sizes	: 2.25 kg (comp. A: 1.5 kg, comp. B: 0.75 kg) 4.5 kg (comp. A: 3.0 kg, comp. B: 1.5 kg) 10.0 kg (comp. A: 6.67 kg, comp. B: 3.33 kg)
Storage	: Cool and dry, but frost-free Approx. 1 year in unopened original container
Solid body content	: 100%
Tensile bond strength	: large concrete rubble

We reserve the right to make technical changes in the course of further development. This technical data sheet is only intended to provide non-binding advice. As the application and handling of this product is beyond our control and the various types of surfaces and stresses may have an influence on the choice of application method, our advice, whether given verbally, in writing or by means of trials, does not exempt the user from having to test the suitability of our building material for the intended purpose. This also applies to the protection of third party property rights as well as to applications and methods which are not expressly specified by us in writing.