

TECHNICAL DATA SHEET

Item number: 0803-444-XXXX

Product name: ALMACOAT PRIMER CONCRETE

ALMACOAT PRIMER CONCRETE

Description: Almacoat Primer Concrete is a two-component epoxy primer recommended for concrete and other mineral porous surfaces. It exhibits short dry time and good adhesion to damp surfaces. It is used mainly as surface stabilizing primer as well as adhesion improving primer under ALMACOAT polyurea.

RECOMMENDED USE

Epoxy primer used in order to enhance the surface of concrete (as well as other cement based construction materials) and improve adhesion of spray applied polyureas. Almacoat Primer Concrete can be used on damp surfaces. Primer coating of 300 g/m² effectively reduces transport of humidity from the substrate. Use in temperatures between 10°C and 35°C.

TECHNICAL PROPERTIES

Product characteristics (part A-epoxy resin and part B - activator)

	Standard value	Method
Viscosity – part A, B (20°C)	700 mPas, 1000 mPas	EN ISO 2555 (Brookfield)
VOC	0%	-
Density – part A, B (20°C)	1.13 g/cm ³ , 1.03 g/cm ³	EN ISO 1675
Dry-to-touch (20°C)	3 hours	-
Pot life (20°C)	25 minutes	-
Recoat window (20°C)	4h to 24h	-
Mixing ratio (A:B)	100:60	-
Coverage	200-350 g/m ²	-

Physical properties of the coating at 2mm

	Standard value	Method
Stretch resistance	35 Mpa	EN ISO 527
Break elongation (max)	10%	EN ISO 527
Surface adhesion (steel)	>5 Mpa	EN ISO 4624
Surface adhesion (concrete)	Break in concrete	EN 1542

INSTALLATION

Before application of ALMACOAT PRIMER CONCRETE make sure that surface is clean and free from dust, oil, grease, fluid bituminous substances and detergents. When applied to new concrete surfaces lime milk should be removed by sandblasting or water blasting

Parts A and B are mixed in weight ratio of 100:60. Use a drill or power mixer in order to achieve a uniform consistency (at least 1 minute). Coat thickness depends from surface porosity (from 200g to 350g.m²). Apply with a roller or airless sprayer.

Storage

Store in temperatures from 10°C to 35°C. When storing in temperature below 10°C part A may become opaque! When solids are noticed in the product it must be heated 50°C for 2h until transparent.

Safety

Please refer to product label and MSDS's before using ALMACOAT PROTECT. When using ALMACOAT PROTECT wear protective clothing, goggles and a mask.

SHELF LIFE: Part A – 12 months, Part B – 12 months from the date of production; both in original tightly sealed container. After the given time periods – products may be used after laboratory tests.

WARNING! This product is designed for professional use in the given industry. Detailed information regarding product safety can be found in the MSDS.