

TECHNICAL DATA SHEET

Item number: 0802-428-XXXX

Product name: ALMACOAT UV PROTECT

ALMACOAT UV PROTECT

Description: Polyurethane coating resistant to weather conditions.

Almacoat UV Protect is high quality two-component, solvent based coating designed for exterior use - that provides color resistance. Almacoat UV Protect can be used on steel, aluminum, concrete, wood as well as polyurea surfaces. Fully cured coating provides anti-slip properties. Can be used at swimming pools and roof hydro-insulating systems as a top-coat.

RECOMMENDED USE

Almacoat UV Protect is recommended as a protective coat on spray applied polyurea coatings such as Almacoat Protect. It protects against UV and weather conditions. Use Almacoat UV Protect when color change (yellowing, tarnishing) of polyurea due to UV is undesirable.

TECHNICAL PROPERTIES

Product characteristics (part A and B)

	Standard value	Method
Viscosity – part A, B (25°C)	250 mPas, 400 mPas	EN ISO 2555 (Brookfield)
VOC	400g/l	-
Density – part A, B (25°C)	1.2 g/cm ³ , 1.06 g/cm ³	EN ISO 1675
Pot life	40 minutes	-
Dry-to-touch	120 minutes	-
Full cure	72 hours	-
Mixing ratio	100:17 by weight	-
Coverage	300-500 g/m ²	-

Physical properties of the coating

	Standard value	Method
Stretch resistance	12.6 Mpa	EN ISO 527
Break elongation	490%	EN ISO 527
Surface adhesion (steel)	>5 Mpa	EN ISO 4624
Surface adhesion (concrete)	Break in concrete	EN 1542
Polyurea adhesion	Min. 2MPa	EN ISO 4624

PRODUCT APPLICATION

ALMACOAT UV PROTECT can be applied with brush, roller or airless sprayer. Use only on properly prepared concrete or steel surfaces. Concrete surfaces must be clean, free from dust, oil, grease, fluid bituminous substances and detergents. Concrete humidity must not exceed 5%. When applied on new concrete surfaces lime milk should be removed by sandblasting or water blasting. Steel surfaces must be degreased and mechanically cleaned (to Sa ½ cleanliness degree). When applying on polyurea it is necessary to comply with the “recoat window” for the given polyurea. When the recoat window is missed polyurea surface must be reactivated by acetone solvent and/or roughening.

Part B must be stirred for at least 1 minute – until uniform color is achieved. Pour Part A into Part B and continue stirring for about 2 minutes. Pot life is approx. 30 minutes (at 23°C). Two coats are recommended – 150-250 g/m² per coat.

Chemical agents’ resistance

ALMACOAT UV PROTECT is resistant to diluted lye, inorganic acids as well as oils and grease. The coating also resists chloric pool disinfectants in concentration recommended by the manufacturer. Please contact the manufacturer regarding other chemical agents.

Storage

Store in temperatures from 10°C to 35°C. Polyol pigment (Part B) may sediment during storage. Stir the product thoroughly before use.

Safety

Please refer to product label and MSDS's before using ALMACOAT UV PROTECT. When using ALMACOAT PROTECT wear protective clothing, goggles and a mask (A1P2 filter type)

SHELF LIFE: Part A – 6 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.