



EUROTEAM

EUROPUR 0500

2-component PU self-leveling coating for indoor and outdoor surfaces

PRODUCT DESCRIPTION

EUROPUR 0500 is a solvent-free, pigmented, UV-resistant and elastic 2-component self-leveling coating based on polyurethane liquid resin.

SCOPE

Suitable for indoor and outdoor use
as a coating for balconies, terraces and arcades
Surface coating for concrete, cement screed, ceramic
Tiles, asphalt, etc.

PRODUCT FEATURES

- UV and color resistant
- weather-resistant
- good mechanical properties
- good chemical resistance
- decorative

COLORS

Color selection according to the table for
Standard and special colors

SUBSTRATE PREPARATION

Substrates to be sealed must be firm, dry, load bearing, free of loose particles, and free of dust, oil, and grease. On surfaces with broadcast aggregate, any unbound aggregate must be completely removed before sealing. The residual moisture content must be below 4%. Any concrete to be coated should be older than 28 days. When applying to concrete and other cementitious substrates, a bonding primer with reliable barrier properties against rising alkalis must be applied. Any surface older than 24 hours, as well as contamination of the substrate to be sealed, always requires mechanical pretreatment such as grinding, milling, or blasting. To assess adhesion to the substrate, a test area should always be prepared.

PROCESSING

EUROPUR 0500 is used in the correctly adjusted ratio
Supplied from component A and component B. To avoid sedimentation, we recommend stirring component A separately before processing. Add component B completely to component A. Thoroughly mix both components with a slow-running agitator at approximately 300 rpm. Ensure that the bottom and sides of the mixing container are also covered. The mixing process must continue until the mixture is homogeneous and streak-free.
Mixing should be carried out in a free state, but for at least 3 minutes. Do not use material directly from the delivery container. After mixing, transfer to a second, clean container and mix again for approximately 1



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	minute. The temperature of both components should be between 15°C and 25°C during the mixing process. EUROPUR 0500 is applied to the prepared and primed substrate using a trowel or notched trowel. Subsequently, a spiked roller is used in a crosswise pattern to de-aerate and level the surface. For application on vertical surfaces (upstands and end faces), approximately 1.5% fiber stabilizer should be added to the mixture. To improve slip resistance and/or surface finish, EUROPUR color chips can be sprinkled or blown into the still-curing coating. In addition to the ambient temperature, the temperature of the substrate is crucial for the processing of reactive resins. At low temperatures, the chemical reactions are generally delayed; this also extends the processing, recoating, and walkability times. At the same time, the consumption per unit area may increase due to the increasing viscosity. At high temperatures, the chemical reactions are accelerated, thus shortening the aforementioned times accordingly. For EUROPUR 0500 to fully cure, the substrate temperature must not fall below the minimum processing or object temperature. Furthermore, the material must be protected from direct exposure to water for approximately 12 hours (at 23 °C) after application. During this time, contact with water on the surface can cause the coating to foam.
CLEANING	The tools can be cleaned with EUROPUR THINNER when fresh material is present. Once the material has fully reacted, they can only be cleaned mechanically.
CONSUMPTION	approx. 2.5 - 3 kg/m²
PACKAGING	EUROPUR 0500 is supplied in 5 kg, 10 kg and 30 kg containers.
STORAGE AND SHELF LIFE	Store in cool and dry conditions (+15°C to +25°C). Under these conditions, the shelf life in the unopened and undamaged original container is 12 months.
SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES	EUROPUR 0500 should only be processed in well-ventilated areas. Wear suitable protective equipment while working. Waste and containers must be disposed of safely. Avoid release to the environment. Completely empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the corresponding safety data sheet and the information sheet on polyurethane production/processing isocyanates must be strictly observed.



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TECHNICAL SPECIFICATIONS	UNIT	VALUE
Material basis		Polyurethan
Density at 20 °C	g/cm ³	approximately 1.6
Mixing ratio A:B	Weight T.	4 : 1
Viscosity at 25 °C	mPas	7000 - 11000
Processing time at 21°C / 100g	min	60
Fully cured at 23 °C/50% RH.	d	7
Object and processing temperatures	°C	min. 15 max. 30
After curing*		
Shore D hardness (EN ISO 868)	after 28 days	approximately 35
Crack bridging (in		

*These figures are guidelines only. They are not intended for creating specifications.

The data were obtained at +23°C and 50% relative humidity. Higher temperatures and/or higher relative humidity may shorten or lengthen these times. All technical data, dimensions, and information in this datasheet are based on laboratory tests. Actual measured data may differ in practice.

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