EUROPOX 0100

2K EP universal primer, solvent-free, also for surfaces in contact with the ground and as a mortar resin for Production of coves and reprofiling

PRODUCT DESCRIPTION	EUROPOX 0100 is a solvent-free, nonylphenol-free, low-viscosity 2K primer based on epoxy liquid resin.
SCOPE	- as a pore-closing and capillary-sealing primer on mineral substrates e.g. concrete, cement screed - for indoor and outdoor use - is suitable as a binder for the production of Scratch repair plaster - complies with the relevant guidelines regarding the reverse side Exposure to moisture - Production of epoxy mortars and screeds - Besides being used as a primer under Coating systems also as a primer/undercoat for the System EURODUR EPH 0403 Jointfill, Euroteam Jointbridge or as a sealing primer on asphalt joints, e.g., when bonding joint tapes.
PRODUCT FEATURES	- low viscosity - easy to process - high capillary activity - very good adhesion spectrum on various substrates - universally applicable - good resistance to moisture penetration from the back
COLORS	Yellowish/transparent
SUBSTRATE PREPARATION	The surfaces to be coated (old or new) must be firm, dry, smooth, and load bearing, free of loose and friable particles as well as substances that could impair adhesion, such as oil, grease, rubber abrasion, paint residue, or similar materials. Surface pretreatment by light shot blasting or similar is recommended. Surface abrasion (including the necessary post-treatment) is usually mandatory. After substrate preparation, the pull-off strength of the substrate must be at least 1.0 N/mm² (verification e.g. with Herion device, tensile speed 100 N/sec.)

	The moisture content of the mineral substrate can be up to 6%. Any concrete to be coated should be older than 28 days. The substrate to be coated must be protected against rising damp (pressurized water).
PROCESSING CONDITIONS	Subsurface temperature: between +5°C and +35°C Ambient temperature: between +5°C and +35°C The dew point must be taken into account!
PROCESSING	EUROPOX 0100 is supplied in the correctly measured ratio of component A and component B (do not split the container). The temperature of both components should be between 15 and 25 °C during mixing. When mixing the components, please note the following: First, pour component B into the container of component A, ensuring that all of component B is completely removed. DO NOT MIX BY HAND. To achieve a homogeneous consistency and thorough mixing, the two components must be mixed thoroughly with a slow-running mixer at approximately 300 rpm. The bottom and sides of the mixing container must also be included. The mixing process must be carried out until a homogeneous, streak-free state is achieved, but for at least 2 minutes. The mixer should remain immersed in the material during mixing to prevent the formation of bubbles. DO NOT USE THE MATERIAL FROM THE DELIVERED CONTAINER! After mixing thoroughly, transfer the mixture to a second, clean container and mix again for approximately 1 minute. EUROPOX 0100 should be applied at a constant or decreasing temperature to prevent bubble formation due to the expansion of air in the substrate. After mixing, EUROPOX 0100 can be applied to the prepared substrate by spraying, rolling, brushing, or flooding. To improve adhesion, the primer is sprinkled with kiln-dried quartz sand. Besides the ambient temperature, the temperature of the substrate is crucial for the processing of reactive resins. At low temperatures, chemical reactions are generally delayed. This also extends the processing time, Revision and access times.
CLEANING	The tools can be cleaned with EUROPOX THINNER when fresh material is present. Once the material has fully reacted, they can only be cleaned mechanically.
CONSUMPTION	Between 0.25 and 0.6 kg/m², depending on the condition and absorbency of the substrate. For highly absorbent or porous substrates, and to improve the barrier effect against moisture penetration from behind, we recommend applying the primer until the pores are completely filled, in several coats if necessary. Sprinkle the fresh primer evenly with kiln-dried quartz sand with a grain size of 0.3–0.8 mm (approx. 1 kg/m²). Avoid applying too much sand. These figures are based on our current

	knowledge and experience and may vary depending on the substrate condition.
PACKAGING	EUROPOX 0100 is supplied in 1kg, 5kg, 10kg and 30kg 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.
GISCODE	Germany: Hazardous Substance Information System of the Employers' Liability Insurance Associations for the Construction Industry: GISCODE RE 1
CHEMICAL RESISTANCE	EUROPOX 0100 is resistant to: - Water - Salt solutions - Diluted acids - Lye - Mineral oils etc.
SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES	EUROPOX 0100 should only be processed in well-ventilated areas. Appropriate protective equipment must be worn during work. Waste and containers must be disposed of safely. Avoid release to the environment. Empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the relevant safety data sheet and in the practical guide for handling epoxy resins must be strictly observed.

EUROTEAM

TECHNICAL DATA *

TECHNICAL SPECIFICATIONS	UNIT	VALUE
Material basis		Epoxy liquid resin
Mixing ratio A/B	Weight.-T.	2.50:1
Density at 23 °C	g/ cm^3	approx. 1.1
Pot life at 20 °C (100g)	min	± 25
Workability at 23°C and 50% RH	h	10-24
Accessible at 23°C and 50% relative humidity	h	24
Fully cured at 23°C and 50% RH	d	7
Chemically/mechanically fully resistant	°C	of -40 until +90
Object and processing temperatures	°C	+15 to 25°C

*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.