TECHNO COATING™

Epoxy coating for residential and commercial applications

MIXING RATIO
2A : 1B
by volume

CHARACTERISTICS

- Pre-measured unit of 15L
- Suitable for in-service areas exposed to high humidity level
- Seamless
- Excellent impact resistance
- 100% solid
- Long pot life

SANS COV / VOC FREE 0%

Contact
POLYMÈRES TECHNOLOGIES
for more information:
support@polymerestechnologies.com

DESCRIPTION

TECHNO COATING™ is a low-viscosity, clear epoxy sealer and coating designed to penetrate and protect concrete, wood, and plywood surfaces. This cost-effective alternative to premium epoxy coating systems strengthens porous substrates, reduces dusting, and leaves a durable, easy-to-clean glossy finish. Its 100% solids, VOC-free formula and long working time make it ideal for garages, basements, workshops, and light commercial floor coating applications.

This coating is waterproof with excellent chemical, abrasion, and UV resistance. TECHNO COATING™ is self-priming and can also be used as an aesthetic coating in office buildings. It can be used in combination with our CHILL DROPS™ pigments to create amazing colors and special effects.

INSTRUCTIONS

PREPARATION

Surface should be clean, dry and free of contaminants. We recommend removing sand, dust, dirt, grease, wax, silicone, and glue which could affect the bonding of TECHNO COATING™ to the concrete surface.

CONCRETE: Mechanical or chemical preparation (muriatic acid). It is very important to remove existing coatings before applying this product. Minimum age of concrete surfaces prior to application is 28 days, depending on curing and drying conditions. The moisture content of all concrete substrates must be no greater than ~4%. This moisture content can be measured with a calibrated moisture meter. We recommend applying TECHNO COATING™ early in the morning or late in the afternoon so that the concrete floor is no too warm. Do not apply to porous surfaces where moisture vapor transmission will occur during application.

This product is best installed by skilled and experienced applicators. **We strongly recommend validating the application by doing a test on a 12 x 12-inch area before starting production**

To apply TECHNO COATING™, we recommend an ambient temperature of 22°C (72°F), relative humidity of less than 70% and both A/B parts at a temperature of 22°C (72°F). At lower temperatures, the curing time will be extended.

Fast setting epoxy
Pot life of 60 minutes

A/B kits available in pre-measured units of 15L

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INSTRUCTIONS (continued)

USAGE

Pour the contents of the part B container (small) into the part A container (large). Do not hand mix; use a drill equipped with a mixer. Mix thoroughly for a minimum of 10 minutes, making sure to regularly scrape the sides and bottom of the container. Scrape using a 2-inch metal spatula and direct the resin towards the center of the container. When done, do not leave the resin in the container too long; pour it onto the floor and use a roller or a straight/notched squeegee to spread the product.

CLEANING PROCEDURE

Collect and contain spills with an absorbent product. Discard in accordance with applicable regulations. Once hardened, this product can only be removed mechanically. Clean tools and brushes with POLY CLEANER™.

LIMITATIONS

Take note that the applicator is solely responsible for determining how many liters are required for a project. Said applicator is also to be held accountable for all the following criteria: calculation of liters required, substrate surface preparation, calculation of humidity percentage of the substrate, the precision of the mixing ratio, the homogeneous mix of parts A and B, application of the coating using a roller or straight/notched squeegee, and applied thickness as well.

15L FORMAT THEORETICAL COVERAGE

THICKNESS (IN)	FT²	THICKNESS (IN)	FT²
0.010	636	0.070	91
0.015	424	0.080	79
0.020	318	0.090	70
0.025	254	0.100	63
0.030	212	0.110	58
0.035	182	0.125	50
0.040	159		
0.045	141		
0.050	127		
0.055	116		
0.060	106		

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TYPICAL PROPERTIES (AT 22 °C/72 °F)		
SOLID CONTENT BY VOLUME	100 %	
SOLID CONTENT BY WEIGHT	100 %	
COLOR	Clear or colored	
MIXING RATIO for a pre-measured unit of 15 L	2A/1B by volume	
POT LIFE for 200g	60 minutes	
SUGGESTED PRIMER	Self priming	
APPLICATION METHOD	Roller, brush, or straight/notched squeegee	
NUMBER OF COATS	1 as a sealer, 1 to 2 as a topcoat	
RECOMMENDED THICKNESS	Sealer: ~0.010 to ~0.020 of an inch depending on the porosity of the concrete slab (roller or flat squeegee).	
	Topcoat: ~0.030 to ~0.040 inch (serrated squeegee).	
COVERAGE	See table on the previous page	
RECOAT TIME	12 hours, maximum of 24 hours	
CURING TIME	Touch dry	8 to 12 hours
	Light traffic	24 hours
	Full cure	7 days
CLEANING SOLUTION	POLY CLEANER™	

PHYSICAL PROPERTIES (SOLID STATE AFTER 7 DAYS AT 22 °C/72 °F)			
TEST	METHOD	RESULTS	
HARDNESS	ASTM D 785 65	Shore D	85
COMPRESSIVE STRENGTH	ASTM D 695	MPa	103
TENSILE STRENGTH	ASTM D638	MPa	31.5
ELONGATION PERCENTAGE	ASTM D638	%	6.4
ABRASION RESISTANCE	TABER CS-17-1000 GR	0.078	

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PRECAUTIONS

- Consult material safety data sheet prior to use.
- Normal health and safety measures should be observed when handling this product.
- Ensure good ventilation.
- Wear gloves, safety glasses, and protective clothing.
- Do not use part A without its part B, and vice versa. Shake well parts A and B separately before use.
- Once the container is opened, POLYMÈRES TECHNOLOGIES can no longer be held responsible for this product.
- Shelf life of this product in original containers is one (1) year from the date of purchase, under recommended storage conditions.
- Keep from freezing.

For information and advice on safe handling, storage, and disposal of chemical products, users should refer to the most recent safety data sheet. This sheet contains physical, ecological, toxicological, and other safety-related data.

It is recommended to follow provincial and federal safety regulations. In case of eye contact, rinse well with water. In case of skin contact, rinse with soap and water. Keep away from children.

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