



POLYURETHANE FLOOR PRIMER



POLY TI

POLY TI 7000

PRODUCT DESCRIPTION

POLY TI 7000 is a transparent, semi-rigid, deeppenetrating, one component polyurethane primer.
Solvent based.
Cures by reaction with ground and air moisture.

USES

The POLY TI 7000 is mainly used as a primer for polyurethane floor coatings on absorbent surfaces like:

- Concrete
- Cement screed
- Wood, etc.

ADVANTAGES

- Simple application (roller or airless spray).
- Excellent anchoring to the surface of absorbing surfaces.
- Quick curing.
- Provides enough elasticity to follow surface movements.
- Heat and frost resistant
- Stops the creation of dust.
- Chemical resistant.
- Maintains its mechanical properties over a temperature span of -20°C to +90°C.

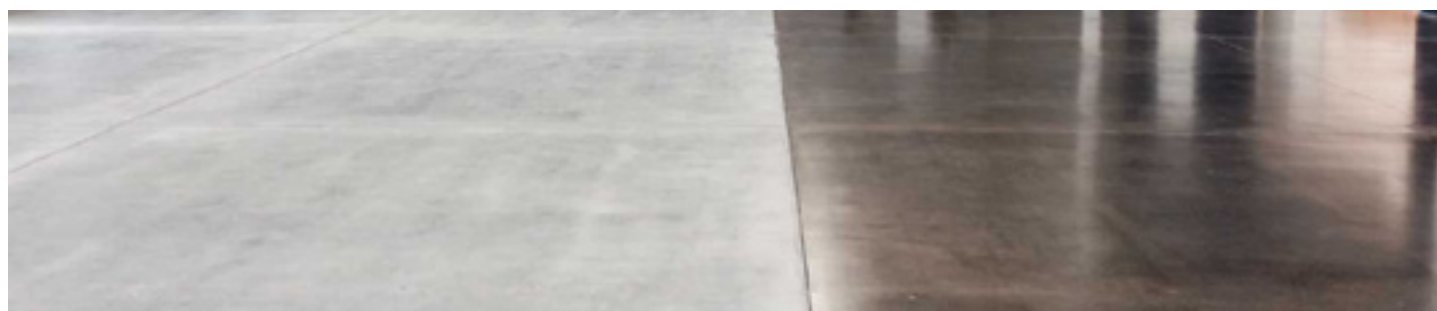
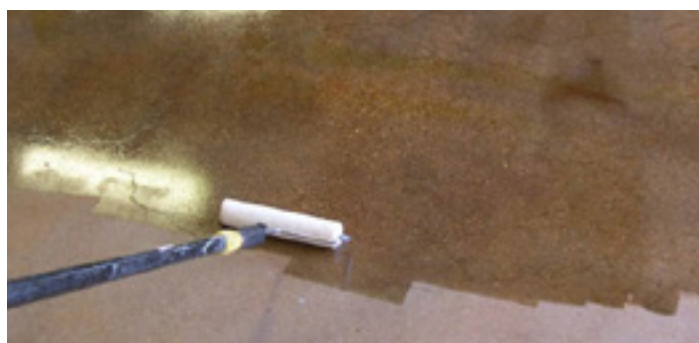
CONSUMPTION

200 gr/m² in one layer.

This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

COLORS

The POLY TI 7000 is supplied brown transparent.



TECHNICAL DATA

PROPERTY	RESULTS	TEST METHOD
Composition	Polyurethane pre-polymer. Solvent based	
Adhesion to Concrete	>2 N/mm ²	ASTM D 903
Hardness (SHORE D Scale)	20	ASTM D 2240
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Application Temperature	5°C to 35°C	Conditions: 20°C, 50% RH
Tack Free Time	3-5 hours	
Light Trafficking	12-24 hours	
Final Curing time	7 days	

CHEMICAL PROPERTIES

Potassium hydroxide 5%	+	Sodium hydroxide 5%	+
Ammonia 5%	+	Sulfuric acid 5%	+
Hydrochloric acid 5%	+	Sea water	+
Domestic detergents (diluted)	+	Dichlormethane	-
Diesel fuel	+	N-methyl pyrrolidone (brake fluid)	-

{+ Stable, - Not stable, ± Stable for a short period.

APPLICATION

Surface Preparation

Careful surface preparation is essential for optimum finish and durability. The surface needs to be grinded with a stone- or a diamond-grinding machine. The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. Maximum moisture content should not exceed 5%. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

WARNING: Do not wash surface with water!

WARNING: Do not use a metal-ball blasting machine to grind the surface, because the heavy metal-ball impacts destroy the cohesion of the concrete surface and lower its stability.

Repair of cracks and joints

Clean cracks and hairline cracks, of dust, residue or other contamination. Fill all cracks with suitable putty. The next day smoothen the putty surface with a sandpaper or a mechanical grinder.

Priming on Absorbent Surfaces

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish..

Apply the POLY TI 7000 by roller or brush, until the surface is covered. You can use airless spray allowing a considerable saving of manpower.

After 2-3 hours (not later than 4 hours) and while the primer is still a bit tacky, apply the POLY TI 7100 or POLY TI 7200 polyurethane coating.

WARNING: The POLY TI 7100 and/or the POLY TI SYSTEM is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface.

Packaging

POLY TI 7000 is supplied in 17 kg, 10 kg, 5 kg and 1kg pails. Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5^o-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Safety measures

POLY TI 7000 contains isocyanates. See information supplied by the manufacturer. Flammable. Make sure personal protection (gloves, mask, goggles) are used and ventilation is adequate.

Please study the Safety Data sheet.

PROFESSIONAL USE ONLY.

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