

# MARIPUR® 7000

## Polyurethane Floor Primer

TECHNICAL DATA SHEET  
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### Product Description

MARIPUR® 7000 is a transparent, semi-rigid, deep penetrating, polyurethane primer.

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#### Product Information

- One-component polyurethane solvent-based primer, ground & air moisture-cured

#### Packaging

- 1/5/10/17 kg metal pails

#### Color

- brown-yellow Transparent

#### Shelf Life

- 12 months from date of production

#### Storage Conditions

- Pails should be stored in dry and cool rooms. Protect the material against moisture and direct sunlight. Storage temperature: 5°-35°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

#### Advantages

- Simple application (roller or airless spray)
- Excellent anchoring to the surface of absorbing surfaces
- Quick curing
- Provides enough elasticity to follow surface
- 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

## ■ Uses

Mainly used as a primer for polyurethane floor coatings on absorbent surfaces like:

- Concrete
- Cement screed
- Wood, etc.

## ■ Consumption

- 0,200 kg/m<sup>2</sup> 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.

## ■ Certifications



### EN1504-2 : Surface protection product for concrete (0.2kg/m<sup>2</sup>)

PROPERTY	PERFORMANCE
Water vapour permeability	Class I: sD < 5 m
Capillary absorption and permeability to water	$\omega < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Adhesion strength by pull-off test	$\geq 1,5 (1,0) \text{ N/mm}^2$



### Technical Data\*

PROPERTY	RESULTS	TEST METHOD
Composition	Polyurethane pre-polymer. Solvent based	
Adhesion to concrete	>2 N/mm <sup>2</sup>	EN 1542
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	1-2 hours	Conditions: 20°C, 50% RH
Overcoating Time	2-3 hours	Conditions: 20°C, 50% RH
Final Curing Time	7 days	Conditions: 20°C, 50% RH



### EPD verified

## Application

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### 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:

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 temperature retards cure while high temperature speeds up curing. High humidity may affect the final finish.

Apply MARIPUR® 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 MARIPUR® 7100 or MARIPUR® 7200 polyurethane coating.

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

## Safety measures

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MARIPUR® 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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\* All values represent typical values and are not part of the product specification.

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