

MARIPUR® 7400W

Water-based
aliphatic
polyurethane
primer

TECHNICAL DATA SHEET
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Product Description

MARIPUR® 7400 W is a water-based, transparent, deeply penetrating, aliphatic polyurethane primer. Consists of flexible, water-based polyurethane resins (water dispersion). It is used as a primer for micro cement.

Based on the innovative PUD-Technology™ by MARIS POLYMERS SMSA.

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Product Information

- One component, a water-based, transparent, deeply penetrating, aliphatic polyurethane primer.

Packaging

- 1/5 kg plastic pails

Color

- Transparent

Shelf Life

- 18 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°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Advantages

- Simple roller application
- Water-based
- Fast curing
- Deep surface penetration
- Excellent adhesion to absorbent surfaces
- Preserves the natural look of the micro cement.
- Improves the workability and spreading of the applied paints.

■ Uses

MARIPUR® 7400W is used as a micro cement primer, to prepare the surface before applying the MARIPUR® 7500 and MARIPUR® 7600 polyurethane systems. It enhances the adhesion of the system, preserving the natural look and color of the micro cement.

■ Consumption

- 0.100 kg/m² in one layer
- This coverage is based on application by roller, on a flat surface and in optimum conditions. Factors like surface porosity, temperature and application method may alter consumption.

■ Certifications



Technical Data*

PROPERTY	RESULTS	TEST METHOD
Adhesion to concrete	>1.5 N/mm ²	ASTM D 903
Hardness	>60	ASTM D 2240
Resistance to water pressure	No leaks (1m water column, 24h)	DIN EN 1928
Operating temperature	-15°C to +90°C	Laboratory
Re-coating time with systems containing a solvent.	24 hours	Conditions 20°C, 50% RH
Re-coating time with water systems	4 hours	Conditions 20°C, 50% RH
Final curing time	7 days	Conditions 20°C, 50% RH



MARIPUR® 7400W is based on the innovative PUD Technology™ by MARIS POLYMERS SMSA, which allows the incorporation of long-chain polyurethane macromolecules in water solutions, forming stable dispersions. Products based on the PUD Technology™ combine the advantages of high-quality solvent-based products with the green, environmentally friendly properties of water-based, low-VOC, non-ADR products. The PUD Technology™ is the ticket for the Green Revolution in polyurethane-based products.



EPD verified.

■ Application

Surface Preparation

Careful surface preparation is necessary for best finish and resistance.

The surface needs to be clean, dry and free of any defect which may harmfully affect the adhesion of the membrane. Maximum moisture content of the micro cement should not exceed 4%. Loose surface materials and grinding dust must be thoroughly removed.

Priming

For best results, the temperature during application and curing should be between 12°C and 30°C. Low temperature retards curing, while high temperature speeds up curing. High humidity may affect adhesion. Apply MARIPUR® 7400W as a 30% solution in clean water, using a short-hair roller on the entire surface.

ATTENTION! The parts of the surface that are not coated with primer become visibly darker after the application of the MARIPUR® 7500 and MARIPUR®7600 varnishes.

■ Safety measures

Keep out of the reach of children. Do not use the empty containers to store food. Please refer to the instructions of the manufacturer. Review 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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