

MARIPUR® 7800

Aliphatic
Polyurethane
Transparent
Matt Satin Coating
Solvent-free

TECHNICAL DATA SHEET
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Product Description

MARIPUR® 7800 is a premium, transparent, **matt satin**, rigid, polyurethane coating with high impact and abrasion strength and excellent UV stability and color retention. Used as a transparent top-coat for floor coating constructions. Cures by reaction with air & ground humidity (moisture cure).

1

Product Information

- One-component, solvent free, aliphatic polyurethane

Packaging

- 5/10/20 kg metal pails

Color

- Transparent
- Other RAL colors supplied on request

Shelf Life

- 9 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, and batch number and application precaution labels.

Advantages

- Simple application (Roller)
- Solvent free
- UV stable, non-yellowing
- Gives a glossy and easy-to-clean surface
- Provides high tensile and impact strength
- Abrasion resistant
- Resistant to water and frost
- Maintains its mechanical properties over a temperature span of -20°C to +90°C
- The waterproofed surface can be walked on
- Provides strong resistance to chemicals
- Resistant to bacteria and fungus
- Stops the creation of dust

■ **Uses**

Decorative flooring applications in:

- Offices
- Retail Stores
- Show Rooms
- Houses
- Night Clubs
- Restaurants, etc.

■ **Consumption**

0.150-0.200 kg/m² in one layer

This coverage is based on practical application 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 for concrete 0.3kg/m²



Technical Data*

PROPERTY	RESULTS	TEST METHOD
Hardness (Shore D Scale)	40 + 5	ASTM D 2240
Adhesion to Concrete	>4 N/mm ²	EN 1542
Permeability to CO² (measured in CE system)	0.6g/m ² d	EN 1062-6
Capillary absorption and permeability to water (measured in CE system)	0.02 kg/m ² .h ^{0.5}	EN 1062-3
Water vapour permeability (measured in CE system)	5.4g/m ² d	EN ISO 7783
Solids Content	100 %	CALCULATED
Flash point	> 200°C	IN HOUSE LAB
Shock Temperature	Up to 120°C (15min)	INHOUSE LAB
Application Temperature	5°C to 35°C	Conditions: 20°C, 50% RH
Tack Free Time	8 min	Conditions: 20°C, 50% RH
Light Trafficking	24 hours	Conditions: 20°C, 50%
Final Curing time	7 days	Conditions: 20°C, 50% RH



EPD verified

■ 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.

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 sandpaper or a mechanical grinder.

Application as Transparent Top Coat

Apply MARIPUR® 7800 onto the previously applied cement screed (decorative microcement) surface by roller.

ATTENTION: Be sure to apply thin layers. Do not let coating pond.

ATTENTION: Change rollers every 30 minutes, especially in high temperature conditions (>25°C) as MARIPUR® 7800 tends to cure and then creates uneven streaks during application.

WARNING: MARIPUR® 7800 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. Please contact our technical Dept. for more information.

■ Safety measures

MARIPUR® 7800 contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data Sheet. **PROFESSIONAL USE ONLY**

Our technical advice for use, whether verbal or written, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We may guarantee only that our products are compliant with their technical specification; correct application of our products therefore falls entirely within your scope of liability and Users are responsible, in any case, for complying with local legislation and for obtaining any required approvals or authorizations, when necessary, either for their purchase and/or for their use. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our technical department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.

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

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