

# MARIPUR® 7200

## Aliphatic Polyurethane Floor Coating UV-stable

TECHNICAL DATA SHEET  
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### Product Description

MARIPUR® 7200 is a coloured, highly durable, polyurethane thin-layer floor coating. MARIPUR® 7200 is specially designed for use as a floor coating on external surfaces. MARIPUR® 7200 is using a unique curing system (moisture triggered), and unlike other similar systems it does not react with moisture (moisture-cured) and therefore does not form bubbles or blisters when applied in higher thicknesses.

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#### Product Information

- One-component, moisture-cured cold applied and cold curing highly durable aliphatic polyurethane

#### Packaging

- 1/510/20 kg metal pails

#### Color

- Light grey, Silver grey
- 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, batch number and application precaution labels.

#### Advantages

- Simple application (roller or airless spray)
- Decorative
- Color & UV stable
- Constant heavy abrasion resistant.
- Heat and frost resistant
- Chemical resistant
- When applied does not absorb liquids or dirt
- Stops the creation of dust
- Gives a glossy and easy-to-clean surface
- No chalking effect
- Maintains its mechanical properties over a temperature span of -20°C to +90°C

### Use

- Car parking areas
- Show rooms
- External and Internal Pedestrian Decks
- Storage rooms
- Warehouses
- Factories, etc.

### Consumption

- 0,400 kg/m<sup>2</sup> in two layers.
- 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.

### Certification



**EN13813 SR-B2.0-AR0.5-IR6** Screed material and floor screed: 0.4 g/m<sup>2</sup> (certification in a system with Maripox 2510 (0.25kg/m<sup>2</sup>) and Maricoat 2000 (2kg/m<sup>2</sup>))



#### 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.			



#### Technical Data\*

PROPERTY	RESULTS	TEST METHOD
<b>Composition</b>	Pigmented Aliphatic Polyurethane pre-polymer. Solvent based	
<b>Elongation at Break</b>	>50 %	DIN 53504
<b>Tensile Strength</b>	>5 N/mm <sup>2</sup>	DIN 53504
<b>Adhesion to Concrete</b>	>2 N/mm <sup>2</sup>	EN 1542
<b>UV and Color stability</b>	Excellent	Inhouse Test
<b>Hardness (SHORE D Scale)</b>	20	ASTM D 2240
<b>Resistance to Water Pressure</b>	No Leak (1m water column, 24h)	DIN EN 1928
<b>Application Temperature</b>	5°C to 35°C	Condizioni: 20°C, 50% RH
<b>Tack Free Time</b>	3-5 hours	Condizioni: 20°C, 50% RH
<b>Light Trafficking</b>	12-24 hours	Condizioni: 20°C, 50% RH
<b>Final Curing time</b>	7 days	Condizioni: 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 smoothened. 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.

### **Absorbent surfaces**

Prime absorbent surfaces, like concrete, cement screed and wood with MARIPUR® 7000 primer, for the first layer by using a roller, brush or a spray gun.

After 2-3 hours (not later than 4 hours) and while the primer is still a bit tacky, apply the first layer, of coloured MARIPUR® 7200 coating.

Once again allow 3-4 hours for the coating to cure (not more than 4 hours) and apply the second layer of the coloured MARIPUR® 7200.

### **Non-absorbent surfaces**

Prime non-absorbent surfaces like metal, terrazzo, mosaic, power-floated concrete and ceramic tiles with MARISEAL® AQUA PRIMER (diluted 25% with water), for the first layer by using a roller, or a brush.

After 12 hours (not later than 18 hours) apply the first layer, of coloured MARIPUR® 7200 coating.

Once again allow 3-4 hours for the coating to cure (not more than 4 hours) and apply the second layer of the coloured MARIPUR® 7200.

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

WARNING: MARIPUR® 7200 and/or MARIPUR® 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

### **Anti-slip Finish**

In order to achieve an anti-slip effect, we need to evenly sprinkle corundum (or silica sand) on the first layer of MARIPUR® 7200 while still wet. When the layer is dry, we brush off any excess aggregate and continue with the application of the second layer of MARIPUR® 7200

## ■ Safety measures

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MARIPUR® 7200 contains isocyanates. See information supplied by the manufacturer. 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. \*\* Chemical resistance tests time: 24hours

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