



# MARISEAL® 710

## Polyurethane Primer, Absorbent Surfaces

### Product Description

MARISEAL® 710 is a transparent, semi-rigid, deep penetrating, one component polyurethane primer. Solvent based. Cures by reaction with ground and air moisture.

### Uses

MARISEAL® 710 is mainly used as a primer for polyurethane waterproofing coatings and polyurethane joint-sealants on absorbent surfaces like:

- Concrete.
- Lightweight concrete.
- Cement screeds.
- Wood, etc.

It can also be used as a surface stabilizer of old and brittle concrete surfaces.

### Consumption

0,20 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.

### Advantages

- Simple application (roller or airless spray).
- Excellent anchoring to the surface of absorbing surfaces.
- Quick curing.
- Provides enough elasticity to follow surface movements.
- Stagnating water and frost resistant.
- Chemical resistant against oils, grease, moisture, chemicals and other liquid dirt staining.

### Packaging

MARISEAL® 710 is supplied in 17 kg and 5 kg pails.

### Technical Data

PROPERTIES	RESULTS	TEST METHOD
Composition	Polyurethane Pre-polymer, solvent based	
Resistance to water pressure	No Leak (1m water column, 24h)	DIN 1928, Test A
Adhesion to concrete	1,8 N/mm <sup>2</sup> (concrete failure)	ASTM D 903
Hardness (Shore A Scale)	>95	ASTM D 2240
Application temperature	5°C to 35°C	Conditions: 20°C, 50% RH
Service temperature	-30°C to +90°C	
Tack free time	60 min	
Overcoating time	2-3 hours	
Final curing time	7 days	

## **Application**

### **Surface Preparation**

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the primer. Maximum moisture content should not exceed 5%. 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 the surface with water.

### **Priming**

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 MARISEAL<sup>®</sup> 710 by roller or brush, until the surface to be primed, is covered. For larger surfaces, airless spray application is possible. After 2–3 hours (not later than 4 hours) and while the primer is still a bit tacky, apply the polyurethane waterproofing coating or the polyurethane joint-sealant.

RECOMMENDATION: If the surface is very brittle, like lightweight concrete or perlite screed, apply two layers of the MARISEAL<sup>®</sup> 710.

## **Storage**

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

## **Safety Measures**

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MARISEAL<sup>®</sup> 710 contains isocyanates. It is flammable. Keep away from ignition sources. Keep away from smoke. Hands and eyes must be protected with gloves and protective glasses. Case of eye contact, rinse eyes with plenty of water for the material and consult a doctor immediately. Adequate ventilation is required during the application.

**NOTE:** Keep out of reach of children. Please study the Safety Data sheet.