

MARISEAL® 730

Polyurethane
Primer
Solvent-free

TECHNICAL DATA SHEET
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Product Description

MARISEAL® 730 is a transparent, elastic polyurethane primer.
Used as a primer in waterproofing and sealing applications mainly on bitumen/ asphalt felts.

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Product Information

- One component, air & ground moisture, solvent-free, polyurethane primer

Packaging

- 1/5/20 kg metal pails

Color

- Yellow- brown

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 brush)
- Low viscosity
- Excellent anchoring to many surfaces
- Resistant to stagnating water
- Provides high elasticity to match MARISEAL® SYSTEM
- Provides high tensile and impact strength
- Heat and frost resistant
- Stops the creation of dust
- Chemical resistant

■ Uses

MARISEAL® 730 is mainly used as a primer for polyurethane waterproofing coatings and polyurethane joint sealants on surfaces like:

- Bitumen / Asphalt -felts

■ Consumption

- 0,150-0,250 kg/m² in one layer, subject to surface porosity

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



Technical Data*

PROPERTY	RESULTS	TEST METHOD
Composition	Epoxy resin + Hardener	
Mixing Ratio	A:B = 100:50	
Solid Content	100%	Calculated
Adhesion to Concrete	3.7 N/mm ² (concrete failure)	EN 1542
Hardness (SHORE D Scale)	40	ASTM D 2240
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Application Temperature	12°C to 35°C	Conditions: 20°C, 50% RH
Tack Free Time	3-5 hours	Conditions: 20°C, 50% RH
Light Trafficking	12-24 hours	Conditions: 20°C, 50% RH
Final Curing time	7 days	Conditions: 20°C, 50% RH



EN1504-2: Surface protection for concrete (0.15kg/m²)

PROPERTY	PERFORMANCE
Permeability to CO₂	sD > 50 m
Water vapour permeability	Class I: sD < 5 m
Capillary absorption and permeability to water	ω < 0,1 kg/m ² .h ^{0,5}
Adhesion strength by pull-off test	≥ 1,5 (1,0) N/mm ²

■ Application

Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 8%. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. Old, loose 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 clean with water.

Priming

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 MARISEAL® 730 by roller or brush, until the surface is covered.

After 18-24 hours, apply the polyurethane coating or the polyurethane joint sealant.

WARNING: To avoid bubbling of the applied MARISEAL® 730 primer, do not apply more than 250 gr/m². Do not leave primer to pond.

■ Safety measures

MARISEAL® 730 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. The applied primer might yellow and/or fade upon UV exposure

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