

MARISEAL® 730

Polyurethane Primer, solvent free

Product description

MARISEAL® 730 is a transparent, elastic, one component, solvent free polyurethane primer.
Used as a primer in waterproofing and sealing applications on absorbent surfaces and bitumen/ asphalt felts.

Cures by reaction with ground and air moisture.

Advantages

- Simple application (roller or brush).
- Low viscosity.
- Solvent free.
- Excellent anchoring to many surfaces.
- Resistant to stagnating water.
- Provides high elasticity to match the MARISEAL SYSTEM.
- Provides high tensile and impact strength.
- Heat and frost resistant.
- Stops the creation of dust.
- Chemical resistant.

Uses

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

- Bitumen / Asphalt –felts
- Humid Concrete
- Dry Concrete
- Green Concrete
- Mortar
- Wood

Consumption

100-200 gr/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.

Colors

The MARISEAL® 730 is supplied transparent

It can also be used as low cost concrete sealer.

Technical data*

PROPERTY	RESULTS	TEST METHOD
Composition	Polyurethane pre-polymer. Solvent free	
Solid Content	100%	Inhouse lab
Elongation	>400%	ASTM D 412 / DIN 52455
Tensile Strength	> 4 N/ mm ²	ASTM D 412 / DIN 52455
Adhesion to concrete	>2 N/mm ² (concrete failure)	ASTM D 903
Hardness (SHORE A Scale)	>65-70	ASTM D 2240
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Service Temperature	-30°C to +90°C	Inhouse lab
Application Temperature	5°C to 35°C	Conditions: 20°C, 50% RH
Tack free time (dry concrete)	12 hours	
Overcoating time	24-48 hours	
Final Curing time	7 days	

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 smoothened. Any loose surface pieces and grinding dust need to be thoroughly removed.

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.

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® 730 by roller or brush, until the surface is covered. You can use airless spray allowing a considerable saving of manpower.

After 24-48 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.

Packaging

MARISEAL® 730 is supplied in 20 kg, 5 kg and 1kg pails. 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°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

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, written or in tests, 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 are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D 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.