MARISEAL® 730

Polyurethane
Primer
Solvent-free

TECHNICAL DATA SHEET
Date: 16.12.2022 – Version 22

Product Description

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

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/m^2 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	Polyurethane pre-polymer. Solvent free	
Solid Content	100%	Inhous lab
Adhesion to concrete	>1,8 N/mm^2 (concrete failure)	EN 1542
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	Conditions: 20°C, 50% RH
Overcoating time	24-48 hours	Conditions: 20°C, 50% RH
Final Curing time	7 days	Conditions: 20°C, 50% RH

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

PROPERTY	PERFORMANCE
Permeability to CO_2	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/mm2

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 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/m^2. 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

* 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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