



# MARISEAL® 260

## Liquid-Applied, One Component Polyurethane Waterproofing Membrane

### Product Description

MARISEAL® 260 is a premium, liquid-applied, highly permanent elastic, cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing.

The MARISEAL® 260 is based on pure elastomeric hydrophobic polyurethane resins, which result in excellent mechanical, chemical, thermal and natural element resistance properties. Cures by reaction with ground and air moisture.

### Uses

- Waterproofing of Roofs
- Waterproofing of Balconies, Terraces and Verandas
- Waterproofing of Wet Areas (under-tile) in Bathrooms, Kitchens, Balconies, Auxiliary Rooms, etc
- Waterproofing of Pedestrian Traffic Decks
- Waterproofing of old Bitumen felts, Asphalt felts, EPDM and PVC membranes and old Acrylic coatings.
- Protection of Polyurethane Foam Insulation
- Waterproofing and protection of Concrete constructions like Bridge-Decks, Tunnels, Stadium Stands, etc.

### Packaging and Colors

MARISEAL® 260 is supplied in white and grey in 25 kg and 6 kg pails.

### Technical Data

### Consumption

1,2 - 2 kg/m<sup>2</sup> applied in two or three layers. This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

### Advantages

- When applied forms seamless membrane without joints.
- Resistant to water and frost. And crack-bridging.
- Provides water vapor permeability, so the surface can breathe. Provides excellent thermal resistance, it never turns soft. Waterproofs old bitumen-, asphalt felts by covering them, without the need to remove them prior to application. Maintains its mechanical properties over a temperature span of -30°C to +90°C.
- Provides excellent adhesion to almost any type of surface. The waterproofed surface can be used for domestic and public pedestrian traffic.
- Resistant to detergents, oils, seawater and domestic chemicals. Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- Does not need the use of open flames (torch) during application.

PROPERTIES	RESULTS	TEST METHOD
Elongation at Break	> 500 %	ASTM D 412 / DIN 52455
Tensile Strength	> 4 N/ mm <sup>2</sup>	ASTM D 412 / DIN 52455
Water Vapor Permeability	> 30 gr/m <sup>2</sup> /day	ISO 9932:91
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Adhesion to concrete	>2,0 N/mm <sup>2</sup> (concrete surface failure)	ASTM D 903
Crack Bridging Capability	up to 2 mm crack (reinforced)	EOTA TR-008
Hardness (Shore A Scale)	65-70	ASTM D 2240 (15")
Hydrolysis (5% KOH, 7days cycle)	No significant elastomeric change	Inhouse Lab
Service Temperature	-30°C to +90°C	Inhouse Lab
Shock Temperature (15min)	200°C	Inhouse Lab
Rain Stability Time	3-4 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	18-24 hours	
Final Curing time	7 days	
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	

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.

## Application

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### Surface Preparation

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days. 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 wash the surface with water.

### Repair of cracks and joints

The careful sealing of existing cracks and joints before the application is extremely important for long lasting waterproofing results.

Clean concrete cracks and hairline cracks, of dust, residue or other contamination. Prime locally with the MARISEAL<sup>®</sup> 710 Primer and allow 2-3 hours to dry. Fill all prepared cracks with BILIZO-FLEX<sup>®</sup> PU 30 sealant. Then apply a layer of MARISEAL<sup>®</sup> 260, 200mm wide centered over all cracks and while wet, cover with a correct cut stripe of the geotextile. Press it to soak. Then saturate the geotextile with enough MARISEAL<sup>®</sup> 260, until it is fully covered.

### Priming

Prime absorbent surfaces like concrete, cement screed or wood with MARISEAL<sup>®</sup> 710 or with MARISEAL<sup>®</sup> AQUA-PRIMER. Prime non-absorbent surfaces like metal, ceramic tiles and old coatings with MARISEAL<sup>®</sup> AQUA-PRIMER.

### Waterproofing membrane

Stir well before using. Poor the MARISEAL<sup>®</sup> 260 onto the primed surface and lay it out by roller or brush, until all surface is covered. After 12 hours (not later than 36 hours) apply another layer of the MARISEAL<sup>®</sup> 260. If desired apply a third layer of the MARISEAL<sup>®</sup> 260.

**WARNING:** After 36-48 hours the material is applied, air temperature should be above 8 °C, it should not be rainy or snowy and should be applied with considering the possibility of raining.

### 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°-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> 260 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.