

MARISEAL® DETAIL

Liquid-Applied Polyurethane Waterproofing Membrane(Fiber-Reinforced)

Product Description

MARISEAL® DETAIL is a liquid-applied, thixotropic permanent elastic, fiber-reinforced cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing. Cures by reaction with ground and air moisture.

Uses

- Wall-floor connections.
- Flashings and 90° angles.
- Light domes.
- Roof lights.
- Pipes.
- Chimneys and elevator towers.
- Ditches etc.
- Filters.
- Wood surfaces, on PVC membrane, bituminous surfaces, concrete, stem, cement-coated surfaces. Excellent adhesion to various metal surfaces.

Packaging and Color

MARISEAL® DETAIL is supplied in titan grey in 6 kg pails.

Consumption

2 – 3 kg/m² depending on application.

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

- Simple application.
- It forms a seamless membrane without joints or leak possibilities.
- Water and frost resistant.
- Maintains its mechanical properties over a temperature span of -30°C to +80°C.
- Provides water vapor permeability.
- Full surface adherence without any additional anchoring.
- The waterproofed surface can be walked on.
- Even if the membrane gets damaged, it can be easily repaired locally within minutes.
- Low cost.

Technical Data

PROPERTIES	RESULTS	TEST METHOD
Composition	Polyurethane high-solids pre-polymer	
Elongation at Break	> 250 %	ASTM D 412
Tensile Strength	> 2 N/mm ²	ASTM D 412
Water Vapor Permeability	> 20 gr/m ² per 24 hours	ISO 9932:91
Resistance to water pressure	No Leak (1m water column, 24h)	DIN EN 1928
Adhesion to concrete	2,2 N/mm ² (concrete failure)	ASTM D 903
Hardness (Shore A Scale)	65-70	ASTM D 2240
Application temperature	5 °C to 35 °C	Conditions: 20 °C, 50% RH
Rain Stability Time	3-4 hours	
Light Pedestrian Traffic	12-18 hours	
Final curing time	7 days	
Chemical properties	Good resistance against acidic and alcalic 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

Surface Preparation

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. 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

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

Waterproofing Membrane

Stir MARISEAL[®] DETAIL well before using. Apply one coat MARISEAL[®] DETAIL onto the prepared and/or primed surface by roller or brush.

Storage

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

Safety Measures

MARISEAL[®] DETAIL 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.

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