

MARISEAL® 700

High Humidity Resistant Polyurethane Waterproofing Material

Product Description

MARISEAL® 700 is a transparent-yellowish, semi-rigid, deep penetrating, one component polyurethane sealer, used for sealing basement walls, with a humidity problem due to negative pressure. Solvent based. Cures by reaction with ground and air moisture

Uses

MARISEAL® 700 is a highly resistant, ascending humidity sealer. It can be applied on mortar, cement screed, gypsum boards, concrete or wooden walls in:

- Basement walls.
- Interior ground level walls, etc.

Packaging

MARISEAL® 700 is supplied in 17 kg pails.

Consumption

0,5-0,7 kg/m² in three layers.

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.

Advantages

- Simple application (roller or brush).
- Deep penetrating.
- Excellent sealing and waterproofing properties, because it transforms the mortar, the screed, or the concrete surface in a uniform joint free waterproofing barrier.
- Can be over painted with all common wall paints.
- Bacteria and fungus resistant.
- Balances the surface; protects plaster and wall paint against formation of moisture.
- Chemical resistance to oil, grease, moisture, chemical and other liquid dirt stains.

Technical Data

PROPERTIES	RESULTS	TEST METHOD
Composition	Polyurethane Pre-polymer, solvent based	
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN 1928, Test A
Adhesion to Concrete	2,2 ± 0,2 N/mm ² (concrete failure)	ASTM D 903
Hardness (Shore A Scale)	>95	ASTM D 2240
Application Temperature	5 °C to 35 °C	Conditions: 20 °C, 50% RH
Tack free Time	2-3 hours	
Over Painting Time	12 hours	
Final Curing time	4 days	
Density	1,00 gr/cm ³	
Solid Content	65%	
Surface Temperature	Min +10oC Max +40oC	
Ambient Temperature	Min +10oC Max +40oC	
Relative air Humidity	Max %70-80	
Dew Point	Pay attention to the dew point! Dew point must be at least +3 °C in order to reduce the risk of condensation and blooming in finished surface and uncured coating surface temperature.	
Chemical Properties	Good resistance against acidic and alkali solutions (10%), detergents, seawater, 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 sealer. Dirt, fats, oils, organic substances and dust need to be removed by mechanical grinding. Possible surface irregularities need to be smoothened. Any loose surface pieces and dust need to be thoroughly removed.

WARNING: Do not wash the surface with water.

Sealing

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[®] 700 by roller or brush, until the surface to be sealed, is covered. After 2-3 hours (not later than 4 hours) and while the first coat is still a bit tacky, apply the second layer of the MARISEAL[®] 700 sealer. If the humidity problem is severe or high negative pressure is expected, apply a third coat of the MARISEAL[®] 700 sealer.

After 12 hours (but not later than 36 hours), cover with normal wall paint.

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

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[®] 700 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.