

MARISEAL[®] 750

Epoxy primer, solvent free

Product description

MARISEAL[®] 750 is a transparent, rigid, two component epoxy solvent-free primer.
Cures by reaction (cross linking) of the two components.

Advantages

- Simple application.
- Excellent anchoring to the surface.
- Solvent-free.
- Resistant to water.
- Provides high tensile and impact strength.
- Provides strong vapor barrier properties.

Uses

The MARISEAL[®] 750 is mainly used as a primer for polyurethane coatings. It can be used on surfaces like:

- Concrete
- Metal (various)
- Wood
- Asphalt

Consumption

250-300 gr/m² in one layer.

These consumptions are based on practical application by roller and trowel onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

Technical data

PROPERTY	RESULTS	TEST METHOD
Composition	Epoxy resin + Hardener	
Mixing Ratio	A : B = 100 : 60 by weight	
Solid content	100%	CALCULATED
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN 1928, Test A
Adhesion to concrete	>2,2 N/mm ² (Concrete failure)	ASTM D 903
Hardness (Shore A Scale)	>95	ASTM D 2240
Application Temperature	12 ^o C to 35 ^o C	Conditions: 20 ^o C, 50% RH
Pot Life	40 min	
Tack Free Time	6 hours	
Light Pedestrian Traffic Time	12 hours	
Final Curing time	7 days	

Application

Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be grinded with a stone- or a diamond-grinding machine. The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. Maximum moisture content should not exceed 5%. 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 smoothened. Any loose surface pieces and grinding dust need to be thoroughly removed.

WARNING: Do not wash surface with water!

Repair of cracks:

Clean cracks and hairline cracks, of dust, residue or other contamination. Fill all cracks or holes with suitable putty. The next day smoothen the putty surface with a sandpaper or a mechanical grinder.

Mixing

MARISEAL[®] 750 Component A and Component B should be mixed by low speed mechanical stirrer, according to the stipulated mixing ratio, for about 3-5 min.

ATTENTION: The mixing of the components has to be effected very thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous.

Priming

Apply the MARISEAL[®] 750 A+B mixture by roller or brush, until the surface to be primed, is covered.

After 12 hours (not later than 18 hours) and while the primer is still a bit soft, apply the polyurethane coating.

ATTENTION: Please ensure consumption within the Pot Life.

WARNING: Do not apply the MARISEAL[®] 750, at ambient and ground temperatures under 10°C.

For best results, the temperature during application and cure should be between 12°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Packaging

MARISEAL[®] 750 A+B is supplied in 4+2,4kg 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^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[®] 750 A contains epoxy resins. MARISEAL[®] 750 B contains amines. See information supplied by the manufacturer. Please study the Safety Data sheet.

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