

MARIPOX® 2520

Epoxy Primer for Damp Surfaces

TECHNICAL DATA SHEET
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Product Description

MARIPOX® 2520 is a transparent, rigid, two-component, solvent-free, epoxy primer mainly used in floor coating and waterproofing applications, suitable for damp surfaces.

Cures by reaction (cross linking) of the two components.

Product Information

- Two-component solvent-free, epoxy primer

Packaging

- 4+2,5 kg metal pails

Color

- Transparent***

Shelf Life

- 12 months from date of production

Storage Conditions

- Pails should be stored in dry and cool rooms for up to 12months. 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

- Suitable to be applied directly on damp surfaces, coming from ambient humidity (not suitable for rising moisture)
- Applied even on green concrete (at least 7 days / 23°C / 50% RH)
- Excellent anchoring to the surface
- Ideal for bonding between old and new concrete
- Applied at ambient and ground temperatures over 5°C
- Provides high tensile and impact strength
- Heat and frost resistant
- Stops the creation of dust
- High chemical resistant

■ Uses

MARIPOX® 2520 is mainly used as a primer for polyurethane and epoxy floor coatings surfaces like:

- Concrete
- Power floated concrete
- Metal

■ Consumption

- 200 - 300 gr/m² in one layer.

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



EN1504-2: Surface protection for concrete (consumption 0.2kg/m²)**

PROPERTY	EN1504-2 Class	Test Method
Permeability to CO₂:	S _a >50m	EN 1062-6
Water vapor permeability:	Class II:5 m < sD < 50	EN ISO 7783
Capillary absorption and permeability to water:	ω < 0,1 kg/m ² .h ^{0,5}	EN 1062-3
Adhesion strength by pull-off tests:	≥ 1,5 (1,0) 1) N/mm ²	EN 1542



Technical Data*

PROPERTY	RESULTS	TEST METHOD
Composition	Epoxy resin + Hardener	
Mixing Ratio	A:B = 100:62	
Solid Content	100%	Calculated
Adhesion to concrete	>2 N/mm ² (concrete failure)	EN 1542
Hardness (Shore D Scale)	40	ASTM D 2240
Pot life	20 min	
Application Temperature	5°C to 35°C	
Tack Free Time	10 hours	Conditions: 25°C, 50% RH
Light Trafficking	24 hours	Conditions: 25°C, 50% RH
Final Curing Time	7 days	Conditions: 25°C, 50% RH



EPD verified

■ 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. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. 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 surface with water!

WARNING: Do not use a metal-ball blasting machine to grind the surface, because the heavy metal-ball impacts destroy the cohesion of the concrete surface and lower its stability.

Repair of cracks:

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

Mixing

MARIPOX® 2520 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 MARIPOX® 2520 A+B mixture by roller, brush or trowel, until the surface to be primed, is covered. Sprinkle oven dry silica sand (corn size 0,3-0,5mm) evenly onto the wet primer especially when a self-levelling coating is to follow.

After 12 hours (not later than 24 hours) and while the primer is still a bit soft, apply the epoxy or polyurethane floor coating.

ATTENTION: Please ensure consumption within the Pot Life.

WARNING: Do not apply MARIPOX® 2520, at ambient and ground temperatures under 5°C.

WARNING: MARIPOX® 2520 is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact our Technical Dept. for more details.

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speeds up curing.

■ Safety measures

MARIPOX® 2520 contains amines. See information supplied by the manufacturer. Please study the Safety Data Sheet. **PROFESSIONAL USE ONLY**

Our technical advice for use, whether verbal or written, 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 may guarantee only that our products are compliant with their technical specification; correct application of our products therefore falls entirely within your scope of liability and Users are responsible, in any case, for complying with local legislation and for obtaining any required approvals or authorizations, when necessary, either for their purchase and/or for their use. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our technical 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.

* All values represent typical values and are not part of the product specification. ** Chemical resistance tests time: 24hours. *** Colors tend to yellow and fade upon exposure to UV radiation. Nevertheless, mechanical properties remain unchanged.

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