

# MARIPOX® 2500

## Epoxy Floor Coating

**TECHNICAL DATA SHEET**  
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### Product description

MARIPOX® 2500 is a premium, rigid, solvent-free epoxy coating with high impact & abrasion strength and very good resistance to acidic and basic solutions. It can be applied as a coating by brush.

Cures by reaction (cross linking) of the two components

#### Product Information

- Two-component epoxy coating, solvent free

#### Packaging

- 10+3 metal pails

#### Colour

- Silver grey, Beige, Brown-red, Green\*\*\*
- Other RAL colors supplied on request by MARIS tinting system

#### Shelf Life

- 9 months from date of production

#### Storage Conditions

- MARIPOX® 2500 pails should be stored in dry and cool rooms. 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

- Provides high tensile and impact strength
- Abrasion resistant
- Strong resistance to chemicals
- Bacteria and fungus resistant
- Stops the creation of dust
- Low odor
- Gives a glossy and easy-to-clean surface
- Easy application with brush

## ■ Main Uses

- MARIPOX® 2500 is mainly used in heavy-duty industrial floor coating, as a thin-layer coating (paint) up to 0,5mm
- Due to its properties is widely used for:
  - Factories
  - High traffic car parking areas
  - Warehouses

## ■ Consumption

- 0,500-0,800 kg/m<sup>2</sup> of MARIPOX® 2500 in 2 layers
- This coverage is based on practical application by trowel onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

## ■ Certifications



EN13813 SR-B2,0-ARO,5-IR7: Screed material and floor screed (0.5 kg/m<sup>2</sup>)



Chemical properties\*\*

Potassium hydroxide 5%	+	Sodium hydroxide 5%	±
Ammonia 5%	±	Sulfuric acid 5%	+
Hydrochloric acid 5%	+	Sea water	+
Domestic detergents (diluted)	+	Dichlormethane	-
Salt (50%)	+	Citric acid 5%	+
Diesel fuel	+	N-methyl pyrrolidone (brake fluid)	-
{+ Stable, - Not stable, ± Stable for a short period.			



Technical data\*

PROPERTY	RESULTS	TEST METHOD
Composition	Pigmented Epoxy resin + Hardener. Solvent-free.	
Mixing Ratio	A:B = 100:30 by weight	
Hardness (Shore D Scale)	55	ASTM D 2240
Adhesion to Concrete	>3 N/mm <sup>2</sup>	EN 13892-8
Impact Resistance	>2 Nm	EN ISO 6272-1
Shock Temperature	Up to 120°C (15min)	INHOUSE LAB
Application Temperature	12°C to 35°C	
Pot Life	45 min	Conditions: 20°C, R.H. 50%
Light Trafficking	24 hours	Conditions: 20°C, R.H. 50%
Final Curing time	7 hours	Conditions: 20°C, R.H. 50%

## ■ 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%. 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! 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.

### Priming

Prime all surfaces with MARIPOX® 2510 Primer, by using a roller, or a brush. After 12 hours (not later than 24 hours), brush off any apply the MARIPOX® 2500

### Mixing

Stir Component A well before using. MARIPOX® 2500 Component A and Component B should be mixed by low-speed mechanical stirrer, according to the stipulated mixing ratio, for about 3-5 min. The mixing of the components must be done thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous.

### Application as thin-layer coating

Apply MARIPOX® 2500 A+B mixture by roller in two layers. Each layer needs -12h to cure.

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

**ATTENTION:** Please ensure consumption within the Pot Life.

**WARNING:** Do not apply MARIPOX® 2500, at ambient and ground temperatures under 10°C.

**WARNING:** MARIPOX® 2500 and 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 information.

### Anti-slip Finish

In order to achieve an anti-slip effect we need to evenly sprinkle (saturate) corundum or Silica Sand on the first layer of our MARIPOX® 2500 while still wet. When the layer is cured, we brush off excess aggregate, and apply one or two thin layers of MARIPOX®2500 by roller, to seal-in the aggregates

## ■ Safety measures

MARIPOX® 2500 contains amines and epoxy resin. 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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