

## MARIPOOL®

TECHNICAL DATA SHEET

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### Protective Swimming Pool Coating Aliphatic, UV-stable, Non-Chalking

#### Product description

The MARIPOOL® is a colored, one component, chemical resistant, abrasion resistant, aliphatic, thin-layer pool coating. It is color- and UV-stable, it resists pool chemicals.

The MARIPOOL® is weather-stable so it can be applied also on exterior pools.

#### Uses

The MARIPOOL® is used on concrete, cementitious mortar, sand-cement screeds etc, on exterior or interior surfaces. The MARIPOOL® is used for protection in:

- Swimming Pools,
- Fountains,
- Ponds
- Water Tanks,
- Water Channels, etc

#### Advantages

- Simple application (roller or airless spray).
- Resistant to abrasion and wear conditions.
- Color stable.
- Resistant to pools chemicals.
- When applied, forms a surface that does not absorb water.
- Gives a satin and easy-to-clean surface.
- Does not show the chalking effect of epoxy pool coatings
- Resistant to frost

#### Consumption

150 gr/m<sup>2</sup> per layer. Applied in 3 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.

#### Colors

The MARIPOOL® is supplied in white, beige dark blue and light blue. Other RAL colors supplied on request.

#### Technical Data \*

PROPERTY	RESULTS	TEST METHOD
Composition	Pigmented Aliphatic hybrid polymer. Solvent based	
Elongation at Break	>20%	ASTM D 412
Hardness (SHORE A Scale)	>80	ASTM D 2240
UV and Color stability	excellent	
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Surface chalking after 2000h of accelerated aging (DIN EN ISO 4892-3, 400 MJ/m <sup>2</sup> )	<b>No chalking observed.</b> <b>Chalking grade 0</b>	DIN EN ISO 4628-6
UV accelerated ageing, in the presence of moisture	Passed - No significant changes	EOTA TR-010
Hydrolysis (5% KOH, 7days cycle)	No significant elastomeric change	Inhouse Lab
Service Temperature	-40°C to +90°C	Inhouse Lab
Tack Free Time	1-3 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	24 hours	
Final Curing time	7 days	
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	

CONSTRUCTION



# Maris Polymers®

## POLYURETHANE SYSTEMS

### Application

#### Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

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!

**ATTENTION:** Do not apply coating directly on highly elastic cementitious waterproofing membranes. Do not apply coating on polymer based membranes, only on cementitious mortar, concrete, etc.

#### 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.

#### Coating

Stir well before using. 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 first layer, of the coloured MARIPOOL- coating.

After 1-3 hours (not later than 4 hours) apply the second layer, of the MARIPOOL- coating.

Once again allow 1-3 hours for the coating to cure (not more than 4 hours) and apply the third layer of the MARIPOOL-.

**ATTENTION:** Protect material against tanning agents and sun oils, as discoloration could occur.

#### Packaging

MARIPOOL- is supplied in 20 kg, 10 kg, 5 kg and 1kg 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<sup>o</sup>-30<sup>o</sup>C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

#### Safety measures

MARIPOOL- contains solvents. See information supplied by the manufacturer. Flammable. Use only at places with adequate ventilation. Please study the Safety Data sheet. **PROFESSIONAL USE ONLY**

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.

\* All values represent typical values and are not part of the product specification.

CONSTRUCTION

