

## MARISEAL<sup>®</sup> 420

### Polyurethane Top-Coat, UV-stable High (public) pedestrian traffic, light Car traffic

#### Product description

MARISEAL<sup>®</sup> 420 is a pigmented, wear resistant, semi-rigid, color- and UV-stable, weather-stable, cold applied and cold curing, one component aliphatic polyurethane coating used as a top-coat for protection over exposed waterproofing coatings, subject to high wear conditions.

Cures by reaction with ground and air moisture.

Used over the MARISEAL<sup>®</sup> 250 or 260, on surfaces with high public pedestrian trafficking (e.g. Stadiums) and on surfaces with light car traffic (e.g. Exposed car parking areas, etc.)

#### Uses

- Waterproofing of Public pedestrian trafficked areas (Stadiums)
- Waterproofing of Exposed Car Parking areas
- Waterproofing of surfaces exposed to heavy wear conditions.

Also used by its own, for the fiber encapsulation of old exposed asbestos surfaces.

#### Advantages

- Simple application (roller or airless spray).
- Resistant to constant, heavy abrasion and wear conditions.
- Color stable.
- Gives a glossy and easy-to-clean surface.
- Does not show the chalking effect of aromatic polyurethane waterproofing coatings.
- Resistant to water.
- Maintains its mechanical properties over a temperature span of -30°C to +90°C.
- Resistant to frost.

#### Consumption

400-600 gr/m<sup>2</sup> in two 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 MARISEAL<sup>®</sup> 420 is supplied in grey, white, red and green. Other RAL colors supplied on request.

#### Technical data

PROPERTY	RESULTS	TEST METHOD
Composition	Pigmented Aliphatic Polyurethane pre-polymer. Solvent based	
Elongation at Break	>100%	ASTM D 412
Hardness (SHORE D Scale)	30	ASTM D 2240
UV stability	excellent	
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Application Temperature	5°C to 35°C	Conditions: 20°C, 50% RH
Tack Free Time	4 hours	
Light Pedestrian Traffic Time	12 hours	
Final Curing time	7 days	



# Maris Polymers

POLYURETHANE SYSTEMS

## Application

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### 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 membrane.

Maximum moisture content of the surface should not exceed 5%.

**WARNING:** Do not wash surface with water!

### Top-Coat

Stir well before using. Apply the MARISEAL<sup>®</sup> 420 over the MARISEAL<sup>®</sup> 250 by roller or airless spray in two layers.

Allow 3-6 hours (not more than 8 hours) to cure between two layers.

**ATTENTION:** The MARISEAL<sup>®</sup> 420 must always be used over MARISEAL<sup>®</sup> 250, which was previously sprinkled with oven dry silica sand or corundum (corn size 0,4 -0,8 mm) which creates an adhesion bridge. With the silica sand in the last layer of the MARISEAL<sup>®</sup> 250, the surface also becomes harder and more resistant to wear conditions.

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.

### Packaging

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MARISEAL<sup>®</sup> 420 is supplied in 20 kg, 10 kg and 5 kg 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

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MARISEAL<sup>®</sup> 420 contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet.

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.