

MARISEAL® 420

Polyurethane Top-Coat, UV-Stable, High (Public) Pedestrian Trafficking, Light Car Trafficking

Product Description

MARISEAL® 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.

Consumption

0,4-0,6 kg/m² 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.

Uses

- Waterproofing of public pedestrian trafficked areas (stadiums).
- Waterproofing of exposed car parking areas.
- Waterproofing of surfaces exposed to heavy wear conditions.
- On its own, also used for the fiber encapsulation of old exposed asbestos surfaces.

Packaging and Colors

MARISEAL® 420 is supplied in grey in 20 kg and 10 kg pails. Other RAL colors are supplied on request.

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.
- Water resistant.
- Maintains its mechanical properties over a temperature span of -30°C to +90°C.
- Frost resistant.

Technical Data

PROPERTIES	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	

Application

Surface Preparation

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 the surface with water.

Top-Coat

Stir well before using. Apply the MARISEAL[®] 420 over the MARISEAL[®] 250 by roller or airless spray in two layers. Allow 3–6 hours (not more than 8 hours) to cure, between the two layers.

The MARISEAL[®] 420 must always be used over MARISEAL[®] 250, which was previously sprinkled with oven dry silica sand (corn size 0,8-1,2 mm) which creates an adhesion bridge. With the silica sand in the last layer of the MARISEAL[®] 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.

Storage

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°C-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Safety Measures

MARISEAL[®] 420 contains isocyanates. It is flammable. Keep away from ignition sources. Keep away from smoke. Adequate ventilation is required during the application. Hands and eyes must be protected with gloves and protective glasses. Case of eye contact, rinse eyes with plenty of water for the material and consult a doctor immediately.

NOTE: Keep out of reach of children. Please study the Safety Data sheet.