



RubberShield

Water-Based Polyurethane Coating for Rubber & EPDM surfaces

Product Description

RubberShield is a water-based, polyurethane-based, flexible coating specially developed for EPDM, rubber, and similar elastic substrates. It provides excellent adhesion, durability, and long-term protection while maintaining substrate flexibility.

Product uses:

- EPDM membranes.
- Rubber flooring and mats.
- Tennis Courts: Create a non-slip, safe playing surface for athletes.
- Volleyball and Basketball Courts: It is effective in coating and coloring the surfaces.
- Asphalt and Concrete Surfaces: Used as a protective and decorative coating.
- Flexible roofing systems.
- Bicycle and Pedestrian Paths: Provides a durable and aesthetically pleasing surface.
- Public Transport Parking Areas: Used for marking parking areas.
- Gardens and Children's Playgrounds: Suitable as a decorative and protective coating.
- Safety Road Corridors: Effective in making roads more visible.
- Sports courts and tracks.

Properties

- Water-based, eco-friendly formulation.
- High alkali resistance: Provides long-lasting surface durability.
- Excellent adhesion to EPDM, rubber, and flexible substrates.
- High elasticity and crack-bridging capacity,
- UV and weather resistance.
- Sun and Rain Resistance: Offers superior protection against external elements.
- Easy application by brush, roller, or spray.
- Non-toxic, low VOC.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Silk gloss / The product available in RAL color card
<i>Density:</i>	1.45 kg/liter (ASTM D1475)
<i>Volume solids %:</i>	65 %
<i>Viscosity:</i>	115 – 120 KU (ASTM D562)
<i>Theoretical spreading rate:</i>	6.5 m ² /ltr / 4.5 m ² /kg (100 micron DFT)
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	75-100 micron per coat
<i>Flash Point:</i>	< 23 °C
<i>Surface dry:</i>	60 minutes (s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	12-18 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

Application Details

<i>Application method:</i>	Brush / Roll / Airless Spray / Air spray
<i>Thinner:</i>	Fresh water
<i>Thinner Amount:</i>	For Brush 0% - Roller 10 % - Airless spray 5 %



Surface Preparation:

- Substrate must be clean, dry, and free of dust, grease, or loose particles.
- For EPDM/rubber: wipe with suitable cleaner, ensure no release agents remain.
- Repair cracks or defects before coating.

PRECEDING COAT:

Top Prime MMA 2011

Application:

The product is ready to use. Before application, it should be mixed with a low-speed mixer for 3-4 minutes.

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 8-10 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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