



PU RC S 2K

2 Component Solvent Based PU coating

Pack Size
22Kgs, 11Kgs

TDS Technical Data Sheet



Product Overview

Carbolink Sports PU RC S 2K is a two-component aliphatic polyurethane-based coating with superior UV and weather resistance. This coating is ideal for protecting exposed surfaces and provides excellent durability and stability under light. PU RC S 2K forms a hard, rigid, yet flexible film that resists solvents and gasoline. It is available in various colours.

Technical Data

- **Pot Life at 30°C:** 4.5 - 5 hours
- **Adhesion to Steel & Concrete:** Excellent
- **Coverage:** 6-8 m²/L at 75 µm
- **Drying Time at 30°C:**
 - Surface Dry: 30 minutes
 - Hard Dry: 6 hours
 - Full Cure: 7 days
- **Impact Resistance:** >100 kg cm
- **Hardness (Pendulum):** 195 seconds after seven days of curing
- **Temperature Resistance:** Up to 120°C
- **Weathering Resistance (QUV):** 1000 hours
- **Finish:** Glossy
- **Volume Solids:** 50-60%
- **DFT:** 60-75 µm
- **Recoat Time:**
 - Minimum: 6 hours
 - Maximum: 48 hours
- **Abrasion Resistance:** 40 mg
- **Flexibility (Conical Mandrel):** <1 mm
- **Application Temperature:** 10-40°C
- **Flash Point:** >23°C

Applications

- Basket ball court
- SBR+ PU sports system
- Running tracks

Advantages

- Excellent UV and weather resistance
- Superior adhesion and flexibility
- Mild chemical resistance

Application Guidelines

- 1.Surface Preparation:** Before applying the primer, ensure the surface is clean using oil-free compressed air, sandblasting, wire brushes, or other mechanical means to remove all rust, oil, grease, dirt, or loose particles.
- 2.Priming:** Apply PU RC S 2K as a top coat over a suitable anticorrosive primer or intermediate coat. Roughen aged coatings with emery paper grade 400/600 for better bonding.
- 3.Mixing:** Stir Component A and Component B separately. If settling is observed in Component A, loosen the material with a hand stirrer, followed by a power-driven stirrer for homogeneous mixing. Gradually mix the hardener into the base under continuous stirring.
- 4.Application:** Apply PU RC S 2K using a brush, roller, and conventional or airless spray. Use a suitable compatible thinner for desired workability. The volume of thinner required typically varies from 5% to 15%, depending on the application method.

Application Parameters:

Parameter Conventional Spray Application Airless Spray Application

Thinner (%) 5-15 5 Max

Nozzle Orifice (mm) 1.2 - 1.4 0.28

Nozzle Pressure (Psi) 40-70 1400 - 1800

Cleaning & Maintenance

Clean all tools immediately after use with xylene. Do not allow the material to harden.

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Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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