



PU RC S 2K

2 Component Solvent Based PU coating

Pack Size-

22Kgs, 11Kgs

22Kgs

Bucket - 20Kgs - Part A

Bottle - 2Kg - Part B

11Kgs

Bucket - 10Kgs - Part A

Bottle - 1Kg - Part B

TDS Technical Data Sheet



Description

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 in Glossy Finish

Product Data

Pot Life at 30°C	: >30 Minutes
Adhesion to Steel & Concrete:	Excellent
Coverage	6-8 m ² /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

- PU Basket ball courts
- Running Track
- SBR+PU Sports system
- Jogging Tracks
- 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 Base 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.

Pack Size

22Kg



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

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.