



# PUSL -11 F

Self Somthing Flexible  
Polyurithene floor topping for  
Multipurpose PU Courts

Pack Size  
25Kgs

TDS  
Technical Data Sheet



## Product Overview

Carbolink Sports PUSL-11 F is a solvent-free, polyurethane-based, two-component, self-levelling coating for outdoor sports surfaces. Known for its excellent mechanical properties, such as high impact resistance, this product is ideal for creating durable and flexible sports flooring.

## Key Features

- **High Mechanical Strength:** Excellent impact resistance.
- **Easy Application:** Applies smoothly with a trowel, offering superior self-leveling properties.
- **Flexible and Elastic:** Enhances athletic performance with its high flexibility.
- **Non-Shrinking:** Ensures long-lasting, consistent performance.

## Recommended Uses

PUSL-11 F is specifically designed for sports flooring applications, including tennis courts, basketball courts, handball courts, volleyball courts, and multipurpose sports halls. It is applied on prefabricated subfloors such as wet-pour rubber cushion mixes of SBR rubber granules and PU BINDER XP-14 after being sealed with PU Polyseal 0907.

## Technical Specifications

- **Mixing Ratio (By Weight):** 86.96:13.04
- **Density (25°C):** 1.40 - 1.50 kg/L
- **Viscosity (25°C):** 3,500 - 8,000 mPa·s
- **Pot Life (25°C):** 20 - 30 minutes
- **Hardness (Shore A):** 80
- **Application Temperature:** 10-40°C
- **Curing Time (25°C and 60% Relative Humidity):** After 24 hours
- **Color:** Refer to Carbolink's Color Chart

## Application Guidelines

### Surface Preparation:

1. Ensure the surface is dry, free of rising humidity, and clear of materials that might prevent bonding (e.g., dust, loose particles, grease).
2. Thoroughly clean the surface using a vacuum cleaner and squeegees.
3. During application and curing, maintain the support surface and ambient air temperature above ten °C, with relative humidity not exceeding 75%.

**Mixing Instructions:**

1. Mix Components A and B (hardener) packed in separate containers in fixed-weight proportions using a low-revolution mixer (300-600 rpm) for 1-2 minutes.
2. Stir near the sides and bottom of the container to achieve uniform dispersion of the hardener.
3. Thoroughly stir the resin component before adding the hardener to incorporate any slight separation.
4. Continue stirring until a homogeneous mix is obtained. Use the mixed material within 20-30 minutes at 25°C.

**Application:**

1. Pour the polyurethane mixture onto the floor and spread using a V-notched trowel (5.5 mm).
2. Use a spiked roller to release any entrapped air and prevent bubble formation.
3. Apply the finishing paint PU RC WB 2K/1K in two layers the next day, depending on ambient temperature.

**Consumption:**

- 2.0 - 2.2 kg/m<sup>2</sup> for one layer

**Application Tools:**

- V-Notched trowel (5.5 mm), spiked roller. Clean tools with PU SOLVENT immediately after use.

**Storage**

Store in unopened containers in dry places between 5°C and 30°C. Avoid direct sunlight. Shelf life is 12 months.

**Remarks**

- Ensure the substrate is dry, clean, and free from dust, grease, and oil.
- Application temperature should be between 10°C and 40°C.
- If applying the PU self-levelling layer more than 24 hours after the last layer of PU pore filler, sand the entire surface with a special sanding machine before applying the PU self-levelling.

**Caution**

- Apply in well-ventilated areas using protective gloves.
- Avoid skin and eye contact. If contact occurs, wash thoroughly with soap and water.
- For more information, consult the Safety Data Sheet (SDS).

**Health and Safety**

Ensure the product uses appropriate safety measures. Refer to the product's Safety Data Sheet (SDS) for detailed safety information.

**Pack Size**

50kg

**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.