



# Acrylic Rubber Cushion RC 105 (Coarse)

Acrylic Rubber Coarse Cushion for Recreational Surfaces

Pack Size  
100Kgs, 40Kgs & 20Kgs

## TDS Technical Data Sheet



### Product overview

Carbolink Sports Acrylic Rubber Cushion RC 105 (Coarse) is an acrylic-based, highly flexible, wet-pour cushion rubber flooring designed for recreational surfaces. It features SBR granulometry ranging from 0.5 to 1 mm, making it suitable for various sports fields.

### Key Features

- **Highly Flexible:** Acrylic-based formulation provides excellent flexibility.
- **Versatile Application:** Suitable for both asphalt and waterproofed cement surfaces without rising humidity issues.
- **Elastic Subfloor:** This creates a very elastic subfloor for athletic courts that requires minimal maintenance.
- **Ideal for Multiple Sports:** Perfect for tennis, basketball, handball, football, and volleyball courts.
- **Easy Application:** Ensures a safe and high-quality playing surface.
- **Recommended Top Coating:** For the final surface, it is recommended to cover it with Carbolink Acrylic Color Coating, a certified coating by the INTERNATIONAL TENNIS FEDERATION (ITF). Use Carbolink Acrylic Line Marking Paint LM 40 for court lines in any desired color.

### Recommended Uses

- Squash court walls in professional and recreational environments.
- High-impact areas in gyms and sports facilities.
- Suitable for new or refurbished concrete and masonry surfaces.
- Ideal for areas subjected to frequent physical impact.

### Technical Specifications

- **Basis:** Acrylic
- **Appearance:** Viscous paste
- **Colours:** Black
- **Density:** 0.85-0.95 kg/L
- **Viscosity:** 20,000-30,000 mPa·s
- **Application Temperature:** 10-40°C
- **Walkability:** After one day at 25°C

### Application Guidelines

#### Surface Preparation:

1. Ensure surfaces are dry and free from rising humidity, dust, loose particles, grease, and other contaminants.
2. Clean the surface thoroughly using a vacuum cleaner and squeegees.

3. Prime the surface with an appropriate Carbolink Primer to ensure proper adhesion to the subfloor. Apply one or more layers until the surface is saturated, avoiding puddles. Consumption: 200-400 g/m<sup>2</sup>, depending on the underlay's absorption.

4. Once the primer begins to dry (approximately 1 hour, depending on ambient temperature), apply Carbolink Acrylic Resurfacer (SF-100) to seal the subfloor porosity. Apply one or more layers depending on the subfloor's desired thickness, porosity, and roughness. Application by squeegee. Consumption: 300-400 g/m<sup>2</sup> per layer.

5. After one day, apply Carbolink Acrylic Rubber Cushion RC 105 (Coarse) liquid rubber cushion in two to five layers, diluted with 25% water, using a squeegee.

6. Follow with applying Carbolink Acrylic Rubber Cushion RC 107 (Fine) in two layers, diluted with 25% water, applied by squeegee.

7. Once the Acrylic Rubber Cushion RC 107 (Fine) dries (24 hours at 25°C), apply Carbolink Acrylic Sports Kote T 50.

**Consumption:**

- **Asphalt Floor:** 400-450 g/m<sup>2</sup> per layer
- **Concrete Floor:** 300-400 g/m<sup>2</sup> per layer

**Application Tools:**

- Clean tools with water immediately after use.

**Health and Safety**

Avoid contact with eyes and skin. If contact occurs, rinse immediately with plenty of water. Use in well-ventilated areas. For more detailed information, refer to the product's Safety Data Sheet (SDS).

**Packaging and Storage**

Store in a cool, dry place away from direct sunlight and extreme temperatures. Keep containers tightly closed when not in use. Ensure the product is stored in its original, unopened packaging for a maximum of 12 months.

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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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