



Acrylic Base Coat SF 111

Sand Prefilled Acrylic based base Coat

Pack Size
30Kgs & 25 kgs

TDS
Technical Data Sheet



Product Overview

Carbolink Acrylic Base Coat SF 111 is a high-performance, full-bodied acrylic latex coating, fortified with fillers, and available in colors specifically blended for use on outdoor sports surfaces.

Physical Properties

Color	Black
Coverage Rate (undiluted)	900 grams/m ²
Weight per Gallon	10.5 lbs.
Curing Conditions	70°F & 50% relative humidity
Estimated Cure Time	72 hours minimum
Minimum Ambient, Surface & Product Installation Temperature	60°F and rising

Note: Low temperatures & high humidity will significantly increase drying time. Maximum surface temperature: 140°F.

Method of Application

Base Construction

• The surface must meet or exceed the American Sports Builders Association (ASBA) applicable guidelines. Upgrading and recoating previously colored surfaces require the surface and base construction to be in sound condition and compliant with applicable ASBA guidelines.

Substrate Cure Requirements

• New hot-mix asphalt surfaces must cure for a minimum of six months. Allowing skating before six months may cause rutting. New Portland cement concrete surfaces require a minimum of 28 days cure time. No concrete curing compounds should be used. The concrete must have a medium broom finish and be acid-etched with either phosphoric or muriatic acid. If the new concrete surface is smooth, two applications may be required. Thoroughly rinse acid residues before beginning the application.

Surface Condition

- The surface must be smooth, free of dirt, loose or flaking paint, oily materials or chemical residues, vegetation, and any other debris or foreign matter that may prevent proper product adhesion. For application over an existing Acrylic Base Coat SF 111 surface, pressure wash thoroughly, roughen the existing surface by sanding or light grinding, and remove dust residues by blowing or washing clean to ensure proper adhesion.

Surface Imperfections

- Before applying Acrylic Base Coat SF 111, flood the court surface with water and allow it to drain. Mark any depressions capable of submerging a U.S. five-cent piece after one hour with chalk. Allow these areas to dry thoroughly, then apply a patch.

Mixing Instructions

- Mix 5 parts of material to 1 part of water.

System Recommendation

- Two applications of Acrylic Base Coat SF 111 provide excellent performance results. Carbolink recommends using Acrylic Resurfacer prior to applying any Carbolink Surfacing System. Refer to the data sheet on Acrylic Resurfacer for further information.

Application

- Using a flexible rubber squeegee (50 or 70 durometer), apply Acrylic Base Coat SF 111 parallel to one of the sides of the area to be coated. Avoid leaving ridges where adjoining applications overlap. In hot conditions (90°F or above), keep the surface damp with a fine mist water spray. Apply additional coats at a 90° angle to the previous application.

Drying and Cure Time

- Allow Acrylic Base Coat SF 111 to dry for 4 hours before applying another coating, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will dramatically increase drying time. After the final application of Acrylic Base Coat SF 111, allow the surface to cure for a minimum of 3 days at temperatures above 60°F and 50% relative humidity.

Coverage

- The undiluted coverage rate is approximately 900 grams/m².

Clean Up

- If clean-up occurs immediately after application, water will remove acrylics from equipment.

Surface Limitations

- Acrylic Base Coat SF 111 is limited to application on hot-mix asphalt and Portland cement concrete recreational surfaces.

Weather Limitations

- Do not apply the Carbolink Surfacing System during rainfall or when rainfall is imminent. The air temperature must be at least 60°F and rising. Do not apply when the surface temperature is above 140°F.

Do Not Over Dilute

- Over dilution can cause streaking, foaming, adhesion failure, and poor overall durability of the coating.

Indoor Application Curing

- Drying times are extended by high humidity, cool temperatures, or lack of air movement. This is especially important indoors, where these factors are often pronounced.

Keep From Freezing

- Acrylic Base Coat SF 111 is a water-based acrylic system and must be kept from freezing during storage or transit. If you suspect the product has been exposed to freezing temperatures, consult your Carbolink Area Manager for proper handling instructions.

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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

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.