



Roka Poly Sports

Durable High Performance Rubber Sports Flooring

Roka Poly Sports is a high-performance, durable, and versatile acrylic sports flooring system designed for various sports and recreational activities. It consists of multiple layers of acrylic-based coatings applied over a well-prepared concrete or asphalt substrate, creating a seamless and weather-resistant playing surface. Roka Poly Sports is an ideal choice for both indoor and outdoor courts, including tennis, basketball, pickleball, and multi-sport facilities.

Uses & Advantages:

- Provides superior traction, reducing the risk of slips and injuries.
- Suitable for various sports, including tennis, basketball, pickleball, and even recreational multipurpose courts.
- Excellent weather resistance.
- Highly resistant to temperature changes.
- Available in a wide range of UV-stable colors.

Fields of Application:

- Tennis courts.
- Basketball courts.
- Multi-sports courts.



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Technical Information:

Color	Multiple options are available
Density	1,500 – 1,800 kg/m ³
Substrate Moisture Content	≤ 5%
Ambient Temperature	+10°C to +35°C
Relative Humidity	≤ 80%
VOC Content	Low
Impact Resistance	> 10 Nm
Slip Resistance	> 0.7 (dry conditions)
Tensile Strength	≥ 2.0 MPa (depending on the composition and binder)
Elongation at Break	≥ 100%
Tear Resistance	≥ 15 N/mm
UV Resistance	High
Temperature Tolerance	-20°C to +70°C
Weather Resistance	Excellent

Surface Preparation:

Proper surface preparation is crucial to ensure the longevity, performance, and adhesion of the acrylic sports flooring system. The concrete or asphalt substrate should be stable, free from



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cracks, and have a uniform surface without significant depressions or irregularities. Ensure that the substrate has a moisture content of $\leq 5\%$. Clear the area of all dirt, dust, oil, grease, and any loose debris. Use a vacuum or pressure washer to ensure a clean surface. For oil or grease stains, use a degreasing agent followed by thorough rinsing with clean water. If the surface has mold or algae, use a suitable biocide treatment, then rinse and allow it to dry.

Patch any cracks, holes, or depressions using an appropriate concrete or asphalt repair compound. Ensure repairs are level with the rest of the surface. Use a self-levelling compound if necessary to smooth out uneven areas. If the surface is too smooth, use a mechanical grinder or scarifier to roughen the substrate. This enhances the adhesion of the primer and acrylic coatings. If mechanical roughening is not possible, use an acid etch to open the pores of the concrete, followed by thorough rinsing to neutralize the acid and allow the surface to dry completely.

Priming:

Once the surface is clean and dry, apply a high-quality primer to enhance adhesion. Use a roller or sprayer for an even application. Conduct an adhesion test to ensure that the primer bonds well with the substrate. This step is crucial to avoid delamination issues later.

Application:

Combine the acrylic base coat with fine silica sand and water as per requirement. Use a squeegee to spread the base coat evenly across the entire surface. Apply one or two coats as needed to create a smooth, level base. Allow each coat to dry for 4-6 hours before applying the next layer.



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Apply one or two layers of acrylic filler coats to build up the surface and provide additional texture. Use a squeegee to ensure an even application. If needed, adjust the amount of sand in the filler coats to achieve the desired texture. Allow each layer to dry for 4-6 hours before proceeding.

For the top color coats, prepare the acrylic color coating according to the recommendations and mix well to ensure consistent color and texture. Use a squeegee or roller to apply the color coating evenly. Apply two coats for optimal color vibrancy and UV protection. Allow each color coat to dry for 6-8 hours. Ensure the surface is fully cured before moving on to line marking or putting the court into use.

Cleaning:

Wash all the tools and equipment with lukewarm water and a mild detergent immediately after use. Hardened material can only be removed mechanically.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.



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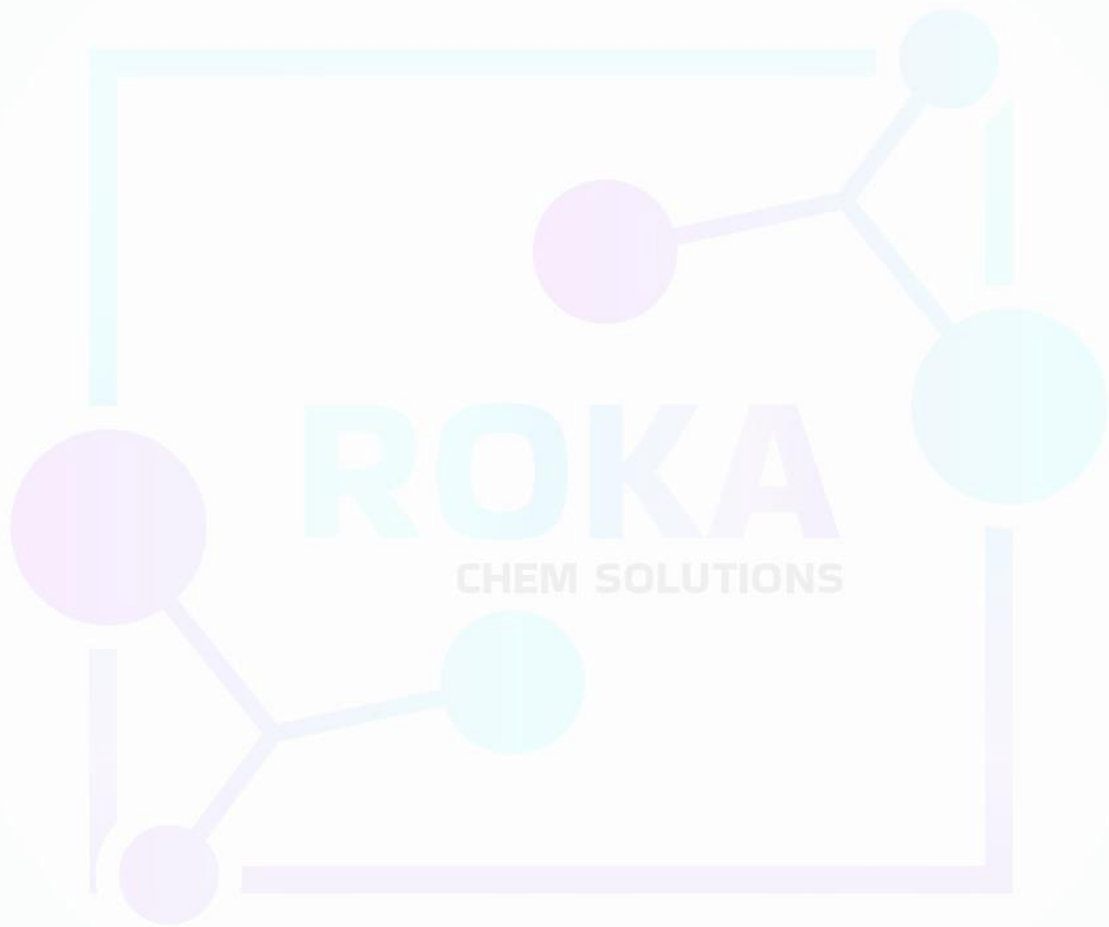


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All products are sold under our standard conditions of sale, which are available upon request.

Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.



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