



Roka EPDM Floor

Durable High Performance Rubber Sports Flooring

Roka EPDM is a high-performance, seamless surface designed for athletic tracks, sports facilities, playgrounds, and multipurpose recreational areas. Constructed from high-quality synthetic rubber granules bonded with a polyester-based, aliphatic, single-component moisture-cured polyurethane (PU) binder, this flooring system ensures superior durability and safety.

Uses & Advantages:

- Absorbs impact, reducing stress on joints and minimizing the risk of injuries.
- Provides superior traction and prevent slips and falls.
- Excellent resistance to UV rays, extreme temperatures, and moisture.
- Resistant to wear and tear.

Fields of Application:

- Jogging paths.
- Community parks.
- Playgrounds.
- Sports courts.



+92 321 4543320



info@rokachemsolutions.com



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83 A, Block C, PAF Colony, Zarar
Shaheed Road, Lahore Cantt, Pakistan



Technical Information:

Color	Multiple options are available
Density	~ 1,000 – 1,300 kg/m ³ (depending on rubber granule size and binder ratio)
VOC Content	Low
Impact Resistance	≥ 35%
Slip Resistance	> 0.6 (dry conditions)
Tensile Strength	≥ 2.0 MPa (depending on the composition and binder)
Elongation at Break	≥ 100%
Tear Resistance	≥ 15 N/mm
UV Stability	Excellent
Temperature Resistance	-30°C to +70°C
Weather Resistance	High resistance to temperature fluctuations, rain, and snow

Surface Preparation:

The preferred substrate is **concrete** or **asphalt**, which should be clean, dry, and structurally sound. Ensure the substrate is free of loose debris, oil, grease, wax, or any contaminants that may affect adhesion. The moisture content of the substrate should be less than **4%**. The substrate should



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be level and smooth, with no significant cracks or imperfections. Use a levelling compound to fill any dips or uneven areas if necessary. Thoroughly sweep and clean the area to remove dust and debris.

Pressure washing may be needed for outdoor installations to ensure the surface is completely clean. Allow the surface to dry fully before application. Ensure the ambient temperature is between **+5°C and +35°C** and that the humidity levels are appropriate for the moisture-cured PU binder to cure correctly.

Priming:

Apply a **high-quality primer** to the substrate to enhance adhesion. The primer should be compatible with the PU binder and applied evenly across the entire surface.

Mixing:

Combine the synthetic rubber granules with the PU binder in a high-capacity, mechanical mixer. Mix thoroughly until the granules are uniformly coated with the binder. The mixing ratio depends on the surface, environmental factors, and the intended use.

Application:

Pour the mixed rubber granule and PU binder compound onto the prepared and primed surface. Use trowels, screeds, or specialized paving equipment to evenly distribute the mixture across the area, ensuring a uniform thickness. Use a trowel or screed to smooth the surface and achieve the desired thickness. For larger areas, use a mechanical roller to compact the rubber



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surface for better bonding and a uniform finish. Ensure that the surface is even and free of air pockets or inconsistencies.

For enhanced UV protection and durability, apply a polyurethane topcoat over the cured rubber surface. This step is particularly recommended for outdoor installations.

Curing:

Allow the flooring to cure for 24 to 48 hours, depending on the ambient temperature and humidity. The curing time may vary based on environmental conditions. Ensure the area is protected from foot traffic, rain, and extreme weather during the curing process.

Cleaning:

Wash all the tools and equipment with Xylene 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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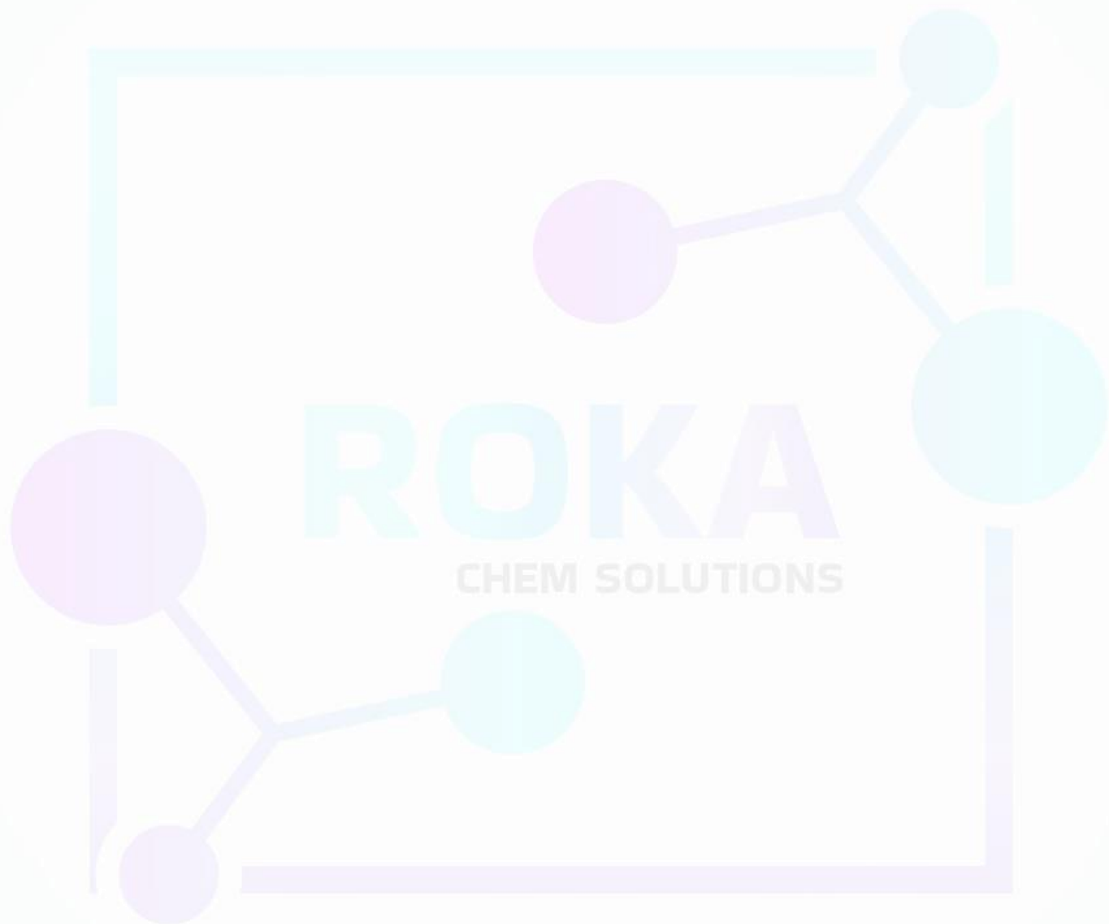


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