



PROJECT OVERVIEW

This private sport court in Belgrade presented a unique challenge: **extensive surface cracking and heavy deviations in the asphalt**, with no clearly identified cause. Potential contributing factors include underground water movement, invasive tree roots, or a combination of both.

To manage this unpredictable substrate without full reconstruction, Group Konzept Serbia implemented a flexible repair strategy to isolate the cracks and preserve surface integrity.



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REPAIR APPROACH

1. **Crack Isolation with Tape:** Thin rubber-reinforced tape was applied directly over cracks to bridge movement-prone areas. This technique allows the tape to absorb stress and reduce the risk of crack telegraphing into the acrylic top layers.
2. **Leveling with AR Mix:** Two coats of AR (Acrylic Resurfacer) were applied over the taped sections, using a mix of AR, silica sand, and water to provide a uniform texture and embed the tape beneath the surface.
3. **Full Resurfacing:** The court was completed with two coats of **Plexipave Ultra Performance color, mixed with sand-filled Color Base**, CSS's standard water-based surface system, offering long-term durability and performance for recreational use.

RESULTS

As of the latest update, the repaired areas remain intact, with no return of visible cracking or deformation. The **rubber-reinforced tape approach provided an effective buffer against substrate movement**, making it a promising method for situations where underlying instability cannot be fully mitigated.



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