







COMMON COURT REPAIR TECHNIQUES

	METHOD	DESCRIPTION	ADVANTAGES	DISADVANTAGES
	Patching, Filling and Acrylic Resurfacing	Clean court, remove flora, sterilize and fill cracks, patch low spots and defects, prime court, apply 3 to 10 layers of color, texture, and/or cushion materials, apply new tennis line.	Quick, inexpensive solution for minor and cosmetic problems. Easy way to correct birdbaths and add cushion	Cracks will reappear in 1-3 years, cannot be used in cases of pavement problems, does not correct improper slope of court, new color can only be 3 or 4 times before other problems
	Roll-Out or Prefabricated Court Surfaces	Clean court, remove flora, sterilize and fill cracks, patch low spots and defects. Overlay prefabricated surface and seam together on top of court, apply 3-5 layers of color and texture, apply new lines.	Covers over most cosmetic and minor structural court problems, very quick to install, provides excellent cushioning characteristics.	More costly than other methods, unrepaired cracks will show through after a short period, can develop hollow spots and bad bounce areas, often very difficult to remove, 10-12 year life expectancy, seems sometimes problematic
	Geotextile & Asphalt Pavement Overlay	Clean court, remove flora, sterilize and fill cracks, patch low spots and defects, overlay fabric over cracks, apply tack coat, apply 1/2"-2" asphalt overlay apply new acrylic playing surface	Good resistance to structural cracking up to 1/4", provides opportunity to correct court slope and grade.	Requires large machinery access, cannot fix serious structural problems, requires fence and net post improvement, can develop hollow spots, where not properly adhered, life expectancy 5-8 years depending on existing pavement.
	Stone Screenings & Asphalt Overlay	Clean court, remove flora, sterilize and fill cracks, perforate existing pavement for drainage, overlay 2"-4" stone screenings, overlay 3" asphalt pavement, apply new acrylic surface.	Excellent resistance to cracking up 1/2" provides opportunity to correct court slope and grade.	Requires large machinery access, cannot fix serious structural problems, requires fence and net post improvement, if new pavement cracks, can lead to serious problems, does not correct subsurface problems life expectancy 8-10 years.
	Court Pavement Milling & Asphalt Pavement	Mill existing asphalt pavement, top dress with 1"-2" crushed stone, install 3" min. asphalt pavement, apply new acrylic surface.	Provides a completely new pavement, provides opportunity to correct minor court slope and grading issues, eliminates all shrinkage and non upheaval or depression cracks, life expectancy 15+ years	Requires large machinery access, cannot fix serious structural problems, requires fence and net post improvements, does not correct subsurface problems.
	Court Removal & Reconstruction	Remove existing asphalt pavement, re-grade and compact stone base, install 3" min. asphalt pavement, apply new acrylic surface.	Provides a completely new pavement, provides opportunity to correct all court slope and grading issues, eliminates all shrinkage and non upheaval or depression cracks, life expectancy 15+ years	Expensive. Requires large machinery access, requires fence and net post improvements.
	Post-Tension Concrete Slab Overlay	Remove fence and net posts, overlay 2" min. sand or stone screenings, install 4" concrete slab, install 1/2" emulsified asphalt or 1 1/2" hot asphalt pavement, apply new acrylic surface, install fence.	Provides completely new court, requires no existing pavement demolition, extremely low maintenance costs in future, extremely strong crack resistant pavement, solves all structural problems, 30+ year life expectancy.	Requires large machinery access, requires new fence and net posts, system is costly.

* prepared by Alex Levitsky (GlobalTennisDesign.com) and based on *Rehab: Asphalt Tennis Courts – Brief Overview of Methods and Costs* by Sheldon Westervelt, PE & Andrew Lavalley, ASLA – Tennis Industry1995