

CRACK TREATMENT TECHNIQUES

	NAME	DESCRIPTION	ADVANTAGES	DISADVANTAGES
	Liquid Asphalt	Asphalt is heated and liquefied, then poured into the crack where it hardens. Process used in road repair.	Inexpensive	Inappropriate for tennis Courts. Material could get soft when hot. Not good under acrylic surfaces.
	Acrylic Crack Filler	A less-flexible caulking material similar to cement and same material used to fill birdbaths.	Inexpensive. Fills irregular crack well.	A hairline crack will appear in this material within months.
	Elastic Crack Filler	A flexible caulking over a backer rod. Caulking can be tinted to match the color on the court. Often done during resurfacing.	Inexpensive. Good annual patch.	Does not last more than two tennis season without crack reappearing.
	Fiberglass Membrane	Fiberglass fabric is adhered over top of the crack. Done before resurfacing.	Inexpensive. Can last 2-4 years, and a good solution where the courts are resurfaced frequently.	Fiberglass does not stretch a lot, so it will fail when its limits are exceeded.
	Sawcut & Asphalt Patch	An area (+/- 1' wide) of asphalt containing the crack is removed and replaced with new asphalt. Often combined with Fiberglass Membrane over the new edges.	Divides the problem in two And allows fiberglass patch to last twice as long. Can last 3-6 years.	Expensive for a temporary fix. Trading one crack for two.
	Multi-Layer Flexible Patch	Multi-layered fabric system (such as Armor CRS) that stretches when the asphalt moves beneath it.	Good for relatively straight isolated structural cracks. Shown to have lasted as much as 7-10 years.	Does not stop the cracks from growing at the ends and therefore new cracks can appear at the ends of the patches. Too expensive for courts with many, irregular structural cracks
	Infrared Heated Asphalt Patch	The edge of the existing asphalt is heated in an attempt to get the new asphalt patch to bond.	No obvious advantages.	Cracks reappear without delay. Expensive for a temporary fix. Trading one crack for two.

* - Repairing or lessening the impact of cracks is especially important when Resurfacing is the chosen method of COURT Renovation. When Courts is overlaid or reconstructed, cracks are usually filled with stone dust and/or screenings, covered with a and/or patched with fiberglass