

April 2007

NOVA SPORTS

Quote of the day:

Courage is resistance to fear, mastery of fear, not absence of fear.

-Mark Twain



ProBounce installation in Arizona.

NOVA'PROBOUNCE:



TENNIS COURT SURFACING SOLUTIONS ENGINEERED FOR PERFORMANCE

Why opt for a temporary fix for a worn out tennis court ? Tennis court owners, players and facility managers have long complained about costly surface repairs that don't work and old fashioned remedies to rejuvenate damaged existing asphalt or concrete hard courts. Painting over expensive crack repairs that just reappear each year or completing costly pavement reconstruction which is not effective are not solutions, only a waste of resources. The constant problem with hard courts is that they are subject to deterioration from the elements. Due to the high cost of petroleum, asphalt mixes have been weakened to a point that they do not perform under lightweight foot traffic causing them to eventually crack. Overlays with post tension concrete which deters cracking is very expensive and hard on the body. These costly, ineffective repairs make owners unhappy and contractors look bad.

30 Years of experience and product development has enabled us to bring Nova'ProBounce, a patented monolithic pavement overlay, into the tennis market nine years ago. ProBounce is a traditional all weather tennis court with a unique area elastic cushioned property which alleviates the stress felt on the joints and lower back during play.



Sun City West

Installed by General Acrylics earlier this year.

The ProBounce system is detached and “free floating” above the existing pavement, therefore, cracks and other flaws in the pavement will affect neither the visible surface of the court nor the structural stability of the cushioned overlay system. With hundreds of courts across the nation, ProBounce has proven to provide long term solutions for many run down, deteriorated hard court sites and is backed by a 5 year warranty.

The Nova’ProBounce system is engineered with an approximately 1/2” thick all-weather fiber “Stratum” layer with a water-proof backing. The Stratum layer is the platform onto which the system is built. The stratum is made up of synthetic yarn that is tufted or woven into a scrim. The scrim is a dimensionally and thermally stable backing which prevents stretching or shrinkage of the system. The fiber or yarn in the Stratum is “boxed” or tufted in an equal construction in length and width. This unique pattern ensures full saturation when the system is bound together with the spray resin. The yarn is also built at an equal height so that the finished surface will have a constant depth.

Completing the Stratum is the natural urethane backing, a “lock” coat which wicks into the scrim at the factory during production, surrounding and covering the bottom of the yarn. This process creates a “tuft bundle” securing the yarn into place and providing a waterproof bottom. This 44 oz urethane waterproofing attached to the bottom of the Stratum layer prevents moisture intrusion from below. The edges of the system are sealed with a fiber tape and liquid adhesive. Wet sites that percolate water can now be more effectively over laid, safe from infiltration of ground moisture into the finished system.

During the onsite construction process the Stratum is laid out onto the prepared pavement in twelve foot wide by one hundred twenty plus foot strips and seamed together with a moisture cured urethane adhesive and weatherproof polyester tape, to form a single membrane that is fastened only at the court edges. The combination of urethane adhesives, urethane backing and polyester tape provides a strong mechanical as well as chemical waterproof bonding of the seams and can be completed in widely varying temperature and weather conditions.

A sub angular or angular “In-Fill” is then placed into the Stratum layer, surrounding the individual yarn filaments to provide ballast for the completed system. The ballast & Stratum combination is then saturated with a water based resin. As the resin dries and cures it locks together the stratum and aggregate ballast in-fill to form a cushioned monolithic pavement layer. The resulting “monolithic pavement” is not attached to the base and is then ready to receive the ProBounce finish, a special, highly flexible, acrylic color surface finish system.

The Nova’ProBounce surface is built on site to form a substantial, (over 16 tons in weight) surface that can bridge larger cracks in the underlying pavement. The system is constructed within the fence of existing courts for substantial savings in construction. The system’s construction process is “green”, environmentally safe, non hazardous and does not effect the environment the way solvent based asphalt paving and reconstruction with heavy equipment does. The surface can also be erected over a gravel base without the need for an asphalt or concrete pavement below

ProBounce is an excellent alternative when your tennis court is located on a site with restricted access, mature landscaping, or on a rooftop. Areas surrounded by extensive landscaping or accessed by stairs would require significant additional expense to repair and the intrusion of an access road if a more traditional re-paving job was to be considered. ProBounce also can easily span expansion joints that are typical in roofing systems and is far lighter in weight than a more traditional pavement, requiring significantly less roof structure to support the weight of the court.

Turn around time is also a key construction factor for ProBounce. Major reconstruction with paving and concrete takes months to complete. This means a slower job turn-around for the contractor and less playing time for the facility. A single ProBounce court can usually be installed within a week, within the existing fence, as opposed to months for the pavement reconstruction, re-fencing, landscaping and surfacing.

As you once again begin to contemplate tennis court construction please consider the benefits of using ProBounce. Why rip out and reconstruct your courts when you could just cover them up and make them look and play like new!

xxxxxxxxxxxxxxxxxxxxxx



info@ngisports.com / www.ngisports.com

800-835-0033 / 423-499-5546 / Fax: 423-499-8882