



NGI Sports



Nova'ProClay™ YEAR ROUND CLAY

So, What is a Clay Court??.....

Wikipedia, Internet Free Encyclopedia, Dec. 2006“ One of four different types of tennis courts.....made of crushed shale, stone or brick and can be either red or green.

.....ANSWER, based on a general consensus: A clay court is a court constructed whereby play is upon a sliding surface of natural clay.

The Nova'ProClay tennis system by NGI Sports is truly a clay court surface in every sense. With the ProClay surface players experience all the traditional features of a natural clay court surface, including foot slide, ball bounce, traction, and cushion. These are attributes of a natural clay court in peak condition.

Nova'ProClay differs from other clay courts **only** in the construction process and required maintenance procedures. Most clay courts are built bottom up with components consisting of:

- Compacted sub base
- Curb
- Base layer of stone or shale
- Water delivery system
- Mid layer of fine particle screenings
- Playing surface final layer of sliding materials (brick dust, natural clay or fast dry)

In a nut shell, analyzing the compacted sub base, curb and base layer of stone, they are designed to ensure stability of the construction. In some cases a reservoir for water is incorporated into or under the base layer to assist in the wicking of water to the surface in order to keep

the playing area and mid layer from getting too soft and dusty as well as to help with compaction. The mid layer is one of the most important sections in the construction of a clay court, next to the sliding surface, as it provides the shock attenuation, compaction for ball bounce and cushioning, keeping the surface “alive”. The playing surface is what is actually underfoot and determines speed of play, sliding ball response, and traction.

Nova'ProClay is engineered differently, perhaps even better! Replacing the mid layer of stone with our patented, monolithic pavement (MP) for the mid pavement layer, Nova'ProClay developers engineered a clay tennis court in which all of the negative aspects of down time, heavy maintenance, expensive equipment, and limited usage are removed.

So what is the MP? Simply, the MP is a patented, ½”, resilient hydrophobic layer constructed on a typical clay court base. It is built on site in five easy steps:

- Prepare your base and water delivery system.
- The MP fabric layer (PC-Stratum) is installed over the prepared base in 12' x 120' rolls and seamed together.
- The PC-Stratum is filled with 2.2 lbs of specially graded in-fill (PC-TexFill).
- The in-filled Stratum is flooded with a special resin binder (PolySeal) that locks the MP together.
- Once set, the MP is finished with approximately 4 tons of Clay (PC-Finish) granules and line tapes are installed. An additional 2 tons of clay is provided for future maintenance, totaling the need for only 6 tons vs approximately 20 tons as needed on other clay surfaces.

Now, when you top-dress your court forget rolling to maintain the mid layer. There is no longer a need for an expensive underground watering system which is difficult to maintain. Watering is done with a simple, light, above ground watering system. The duration of your watering is cut by approximately 75% and still assists in keeping the top layer sliding surface of clay moist.

The surfacing (playing area), or sliding materials of the Nova'ProClay are the same as that which is utilized for play on International as well as domestic clay court tournaments. Materials include European red clay (brick dust), American Red Clay (fast-dry) or Green clay (fast-dry) surfacing granules. These surface granules are installed on top of the MP and mechanically lock into the surface area of the MP. This is accomplished through the rough texture of the MP materials, combined with the moisture in the MP allowing the clay sliding materials to compact and "bind" to the MP itself. The sliding surface materials stay on top and do not intermingle or work into the MP.

Clay court owners and users have discussed the following issues for decades.



My playing time is limited, the court is too soft and muddy, frost heave in the mid layer especially in the spring. After the courts are repaired in the spring I must wait until they break in. (New courts take about 1 year).

The Nova'ProClay patented mid layer is a monolithic pavement which prevents frost heave created by excess moisture getting into the base and expanding. The court is ready for play immediately after construction or reconditioning. Play in the spring, summer, winter and fall.

Spring re-conditioning is delayed due to weather constraints and contractor backlog of projects due to weather delays.

Nova'ProClay requires only minimal spring reconditioning which may include the removal of dead materials, replacement of materials with 18 bags of clay, sweeping, and then play. The reconditioning can be even be accomplished in inclement weather.

Clay court line tape and nails are expensive to fix and replace every year.

Nova'ProClay lines do not pop off the surface because of frost. They may be used all year, year after year until the tape actually wears out. No need to re-nail.

I need a roller that is more reliable, but they are expensive to buy and to maintain. A roller is not required with Nova'ProClay.

Patch, repair low areas, patch, patch, roll ... list goes on.

There is no need for lengthy patchwork in the heavy wear areas. The MP maintains it's integrity throughout the life of the system.



My indoor court is hard as a rock and slippery. Typically with heavy watering and indoor conditions the grinding action in play can create more fines from the fast-dry working into the underlying layers, locking the system down making it very hard. The repair is reconstruction or costly scarifying.

Nova'ProClay may be installed indoors, without the heavy watering concerns or expensive underground watering systems. The patented MP also solves the classic problems associated with indoor clay. "As surface materials are abraded they turn to powder or fines and have a tendency to clog the middle layer turning it into concrete". The MP layer does not absorb these fines so they can be treated as any reconditioning. ProClay's "MP" monolithic mid layer appears to "seal off" and does not allow fines to migrate into it, therefore it is engineered to maintain it's natural cushioning.

We need to shut our courts down after a heavy rain, losing playing time and revenue for the club.

ProClay is playable, even after a heavy rain, in about 20 minutes, With ProClay you achieve year round, all season play, greatly reduced watering, and less downtime. Why??. because you are only addressing the sliding materials with water, not watering to maintain compaction in the mid layer.

See our 5 year warranty and play on a patented Nova'ProClay soft court today Nova'ProClay – *Plays and Feels like Clay.....Because it is!* For more information on the Patented ProClay court system, please contact :



NGI Sports at 1-800-835-0033, F: 1-423-499-8882, or via email: info@ngisports.com.