



Constructive Solutions Served Up at Munson Tennis Court Seminar

Munson Inc. will hold its nationally-acclaimed Tennis Court Seminar on Tuesday, March 6th, at the Radisson Milwaukee North Shore, 7065 N. Port Washington Road, in Glendale, Wisconsin, from 7:30 a.m. to 4:30 p.m.

Leading tennis court construction professionals will offer advice on how to build, maintain, and re-construct tennis courts successfully. Seminar sessions include new court construction, existing court maintenance best practices, court fencing, lighting, and accessories, and existing court reconstruction and retro-fits.

Anyone whose responsibilities include the care and maintenance of existing tennis courts, or the design, selection, or construction of new courts, is encouraged to attend, including architects, engineers, home builders, municipal and county officials, athletic directors, tennis coaches and teaching pros, parks department and private club personnel, university and high school grounds keepers, and other tennis court administrators and maintenance workers.

Seminar speakers include representatives from Master-Halco/Anchor Fence Div., Larson Engineering, California Products, J.A. Cissel Manufacturing Co., Lee Tennis Products, Armor Crack, Novagrass International, Mateflex-Mele, and Munson, Inc. More information on speakers, topics, and feedback from previous seminar attendees is available at www.munsoninc.com.

The cost of the seminar is \$50 per person and includes handout materials, refreshments, and lunch. Register today by calling 800.236.0340. The seminar registration deadline is February 28th.

Munson Inc. Wins ASBA Tennis Court Award

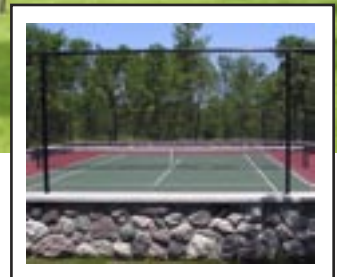
The Tennis & Track Division of Munson Inc. has won an Outstanding Residential Tennis Court Award from the American Sports Builders Association for construction of a post-tensioned concrete tennis court in Mukwonago, Wisconsin.

Concrete under tension is exceptionally durable and resistant to cracking and ground movement, making post-tensioned concrete tennis courts a preferred choice for homeowners seeking long term value from their tennis court investments.

The court delivered on its project performance promises, providing owner Paul Fleckenstein with a beautiful, easy-to-maintain tennis venue and unmatched quality of play.



Engineering design skills and quality construction defeat unexpected site challenges (see page 2).



PROJECT CASE STUDY: Engineered Subgrade and Post-Tensioned Concrete Defeat Unexpected Site Challenge

Homeowners have many options when selecting a tennis court surface, and many issues go into the final decision, including:

- cost to build/budget
- cost to maintain
- type of maintenance required
- site requirements/limitations
- climate limitations
- player preferences.

After weighing these issues, and paying significant attention to the site conditions of the favored court location, Mukwonago homeowner Paul Fleckenstein selected a post-tensioned concrete tennis court system.

A site survey revealed a 6-feet

Court & Track

is a tri-annual publication of the Tennis and Track Division of Munson Inc.

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MUNSON INC.
Fence • Asphalt • Concrete

high retaining wall would be required on the north end of the site to level the court. But for aesthetic reasons, the owner preferred a lower wall height.

To meet this preference, Munson designed the court to be recessed about two feet on the south end, ensuring the north end would be low enough to support the court elevation change using only dirt and landscaping. The south end would require a 4-foot high concrete wall to retain dirt on the outside, which was acceptable to the homeowner. A cultured stone veneer for the retaining wall, a gazebo with decorative concrete flooring, and court lighting were also part of the project design.

Unexpected Challenge ...

Construction started June 28, 2005, with the stripping and stockpiling of topsoil. The ground conditions were very wet, though no rain had fallen in over three weeks. By the time excavators reached the level of the final subgrade, the site soils were so soft they could not support the weight of construction equipment.

Munson met this unexpected challenge by over-excavating the area, installing additional drain tile under the south end of the court (every 10-feet), providing an 8-ounce, non-woven geotextile fabric for separation, installing a geo-grid for structural strength, and filling the over-excavation with clear stone to the level of the original subgrade. With this engineered subbase

in place, Munson proceeded with the original project specifications and placed an 8-ounce, non-woven geotextile fabric and stone base over the clear stone. When this was completed, there was enough support to run loaded trucks through the area.

The drain tiles placed under the court continued to drain for the next four weeks.

Post-Tensioned Concrete ...

Post-tensioning is a method of reinforcing concrete, increasing its tensile strength by placing it in compression to counteract the anticipated external loads and stresses it will encounter during its service life – including ground movement.

For tennis courts, post-tensioning also helps to minimize or eliminate the development of shrinkage cracks in the concrete slab, creating a highly durable and uniform tennis surface with controlled drainage slope, a stable concrete edge, lower annual and life-of-the court maintenance costs, a longer court service life span than competing court surface options, and unmatched quality of play.

Eco-Benefits ...

Concrete is also a good environmental choice for tennis court surfaces.

The ingredients used to make concrete (water, cement, sand, and gravel or stone) are readily available in the Midwest and take a lesser toll on the environment when

extracted than other tennis court surface materials.

Ready-mixed concrete is made locally and produced on a just-in-time basis with very limited construction waste. Any leftover concrete can be easily recycled for use as base material under slabs and roadways.

This local manufacturing and delivery minimizes fuel requirements for handling and transportation, a key environmental advantage for concrete.

Most important, concrete is durable ... a prerequisite for green building. It lasts for decades, conserving natural resources by reducing maintenance and the need for reconstruction.

Stunning Result ...

The post-tensioned concrete tennis court installation in Mukwonago is beautiful, easy to maintain, exceptionally durable, resistant to cracking and ground movement, and will provide decades of social and recreational opportunities for Paul Fleckenstein and guests.



Four coats of cushion and a red and green acrylic court color were installed over the concrete.

QA and

As spring approaches, what steps should I prepare to take to get our tennis courts ready for the upcoming season?



School, league, and recreational play is waiting in the wings. An effective spring court preparedness program is key to getting the most from your tennis court investment.

Resurfacing, reconstruction, or replacing a tennis court can be costly. Include these six activities in your spring court preparedness program:

- 1 Lowering the grass edge around the court will help keep water draining off the court. Providing proper slope to the grade surrounding your courts also helps keep mold and mildew from growing on the court and will protect the surface from peeling.
- 2 Remove leaves and debris from the court area to keep the court color from staining. If the court already has stains you can try a soft brush and a mixture of dish soap and water, for tougher stains you might need a bleach solution to be applied. For extremely tough stains you may need to lightly pressure wash the surface.
- 3 Remove weeds and grass from the playing area, apply weed sterilent and crackfill any cracks 1/4" to 1/2" with an acrylic colored crackfiller.
- 4 Remove sleeve caps and store for the season.
- 5 Reinstall the net posts and inspect the gear mechanism and posts for damage. Damaged gears will not let you tighten the net to the proper playing height.
- 6 Reinstall the tennis nets, tighten the nets so that the center of the net is at 36" above the court. Replace the net if it is excessively worn or there is a problem with the cable.

These six spring preparedness steps also apply to residential courts.

About every 5 to 7 years, hard courts will need to be cleaned, evaluated, crack-filled, leveled, recolored and restriped. But with upfront planning and a proper, annual maintenance program, you can prolong the service life of your courts.

If all this seems a little overwhelming, Munson Inc. provides customized spring service and maintenance programs, which cover many of the steps listed above, including court evaluation and net reinstallation. To learn more about the programs, call Sandy Phillips at 1.800.236.0340

Resurfacing or replacing a tennis court or basketball court surface can be costly. Implementing an effective spring court preparedness program is key to getting the most from your tennis court investment.

Thunder

First Team, Inc.



Slam Dunk Discount; Rim-Rattling Savings \$2,950 Stripped From the Suggested List Price

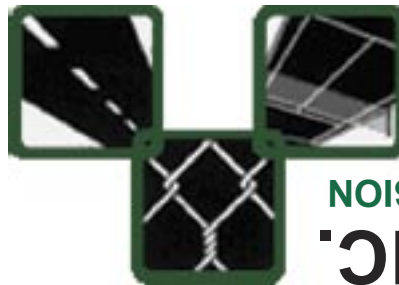
Due to a project change order a few years back, Munson Inc. acquired a Thunder adjustable portable basketball goal. It has been taking up space in the shop ever since and is a little dusty, but otherwise is in excellent, almost brand new condition.

The list price for the goal, if new, would be \$3,700. To free up space in the shop, we are offering the goal for only \$750 (FOB). Munson Inc. can arrange for delivery in Southeastern Wisconsin, for a reasonable, but additional fee.

Manufactured by First Team, Inc., Thunder portable basketball goals are ideal for school gymnasiums, recreation complexes, multipurpose facilities, and churches. A well-engineered hand crank allows for height adjustments from regulation 10-feet down to 6-feet. When properly braked, the durable unit is stable enough to handle slam-dunk action, and will not tip over, should players opt to hang on the rim.

For more information, or to purchase the Thunder adjustable portable basketball goal, contact Rob Fetherston at 1.800.236.0340.

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