



# ELASTECH products inc.

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## POLYURETHANE PRODUCTS

### TORO-TAN

TRACK & FIELD

Your Partner  
For Sport & Play

TENNIS SURFACE ON EXISTING WATER PERMEABLE BASE

U.S. Patent #4,492,728



Specification Sheet #TT-TE

Loose E.P.D.M. rubber granuals 0.5-1.5mm

Polyurethane structural spray

Toro-Tan layer 30mm (1.2")

Wire Mesh (10x10x10/10)

Geotextile filter cloth

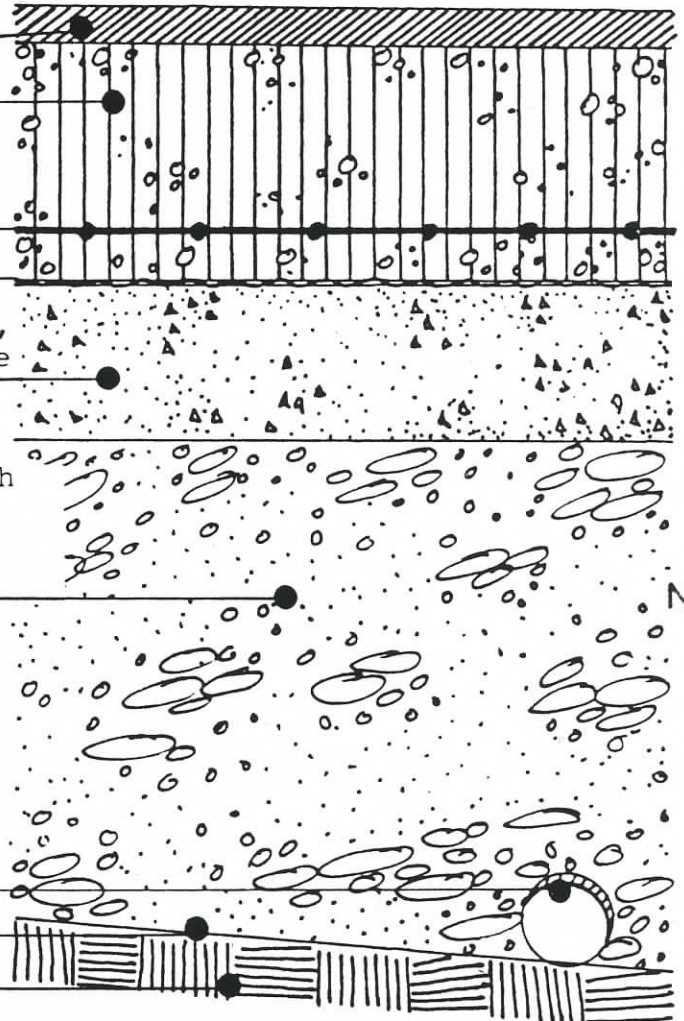
Fine crushed granular levelling layer,  
depth is determined by the final grade

Loosen the existing surface to a depth  
of 100mm (4"). Must have a water  
percolation rate of 60 liters/M2/hour  
or 1.5 US gallons/ft2/hour.

French drain - perforated pipe

Grade base at 1%

Undisturbed sub-soil



N.T.S.

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## a completely integrated system

1. Excavate existing surface to a depth of 85 mm (3.5") below the final play surface.
2. Grade the sub-base smooth with a 1% slope to one side of the tennis court.
3. Loosen the existing water permeable surface to a depth of 100 mm (4") with a rototiller. Grade this surface smooth with a 1% slope to one side of the tennis court. This layer is rolled with a non-vibrating roller to be firm.
4. Install four french drains using 75 mm (3") perforated pipe diagonally across the tennis court. The diagonal angle should be 45° starting at one corner and 9 M (30') apart along the court. A collector french drain is installed along the length of the court on the lower slope of the base to remove water from the site.
5. Place 50 mm (2") of 3/16" crushed granular as a levelling course over the granular base. This layer is not rolled and care should be taken not to disturb the final grade. This base must not deviate from the final surface by more than 3mm (1/8") plus/minus over 3 meters (10'). Care should be taken not to damage drainage pipe.
6. Place a geotextile filter cloth (Mirafi P50) over the base providing for a 150 mm (6") overlap at all seams.
7. A wire mesh of a minimum 10 x 10 x 10/10 is laid flat on top of the geotextile. Wire ties are used to join individual pieces of wire mesh.
8. The Toro-Tan layer 30 mm (1.2") is placed by an authorized installer or Sportbau Canada Limited.
9. A structural spray using two component polyurethane and E.P.D.M. granuals is applied to the surface by an authorized installer or Sportbau Canada Limited.
10. Game lines are applied using two-component polyurethane paint.
11. A fine layer of loose E.P.D.M. granual 0.5 - 1.5 mm is placed evenly over the surface to achieve the clay-like slide.

NOTE: Depth of excavation and granular fill will vary depending upon frost conditions and the ability of the sub-soil to absorb water.