



# ELASTECH products inc.

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## POLYURETHANE PRODUCTS

### TORO-TAN

TRACK & FIELD

Your Partner  
For Sport & Play

RUNNING TRACK ON EXISTING WATER IMPERMEABLE BASE

U.S. Patent #4,492,728



Specification Sheet #TT-RN

Track surface options:

1. Champ-Track P.S.
2. Champ-Track W.P.
3. Champ-Track F.P.U.

Toro-Tan layer 30mm (1.2")

Wire Mesh (10x10x10/10)

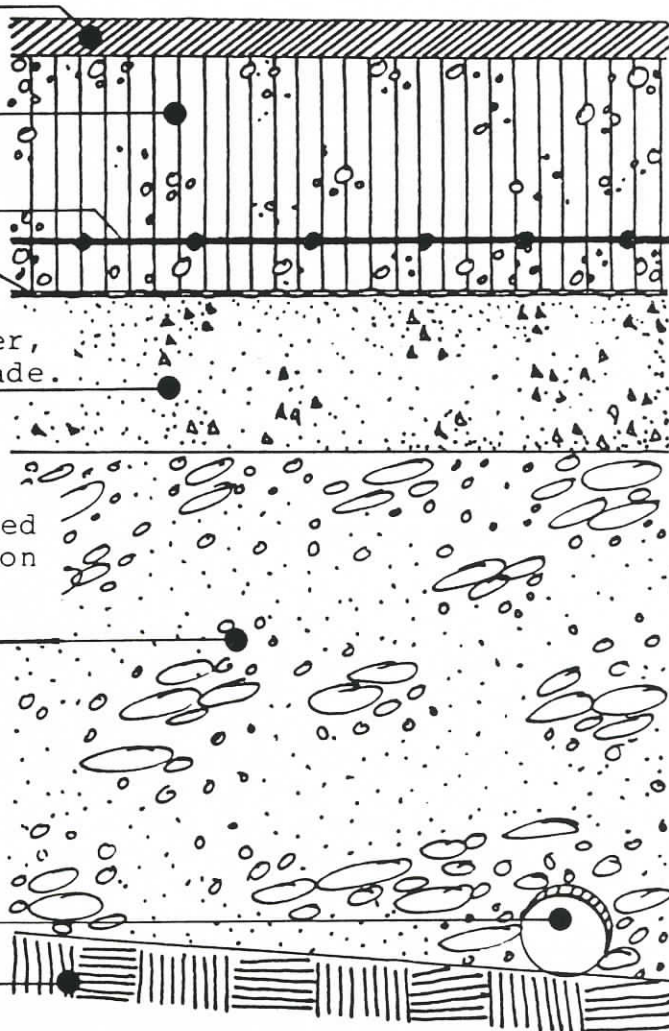
Geotextile filter cloth

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

Place to a depth of 100mm (4") crushed  
granular. Must have water percolation  
rate of 60 liters/M2/hour or 1.5 US  
gallons/ft2/hour.

French Drain - perforated pipe

Undisturbed sub-soil



N.T.S.

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## a completely integrated system

1. The surface must be level, firm and provide good drainage.
2. Excavate 150 mm (6") below the final track surface grade.
3. Should the sub-base be the type of material that will retain water, lateral drainage should be installed using 75 mm (3") perforated pipe. This lateral drainage should be connected to a drainage pipe running along the inside perimeter of the track. The requirement for drainage pipes is to be determined by soil tests. Connect collector drainage pipes to catch basins.
4. Should the sub-base demonstrate good drainage properties it should be graded with a 1% slope to the inside of the track, levelled and rolled. The roller should not exceed two tons and no vibration should be used.
5. Place to a 100 mm (4") depth, crushed aggregate of 20 mm (3/4") in size. This must be levelled and rolled using a non-vibrating two ton roller.
6. Place to a 20 mm (3/4") depth, limestone screenings over the compacted aggregate. Level this surface only. This base must not deviate from the final surface by more than 3mm (1/8") plus/minus over 3 meters (10').
7. Place filter cloth (Mirafi P50) over the base providing for a 150 mm (6") overlap at all seams.
8. A wire mesh of a minimum 10 x 10 x 10/10 is laid flat on top of the filter cloth. Wire ties are used to join individual pieces of wire mesh.
9. The Toro-Tan layer 30 mm (1.2") is placed by an authorized installer or Sportbau Canada Limited.
10. The Toro-Tan can be used as a non-spiked running surface, however an additional compatible track surface can be applied at the time of installation or at any time in the future.
- 10.1 Application of Champ Track P.S., a structural spray using a two-component polyurethane and E.P.D.M. granular 0.5 - 1.5 mm. This is done by an authorized installer or Sportbau Canada Limited. Should the time lag between the Toro-Tan installation and the structural spray be greater than one month a primer must be applied before the structural spray is applied.
- 10.2 Application of Champ Track W.P., a 4 mm (3/16") layer of E.P.D.M. granulars, screeded and rolled to achieve a water permeable track surface. This is done by an authorized installer or Sportbau Canada Limited. Should the time lag between the E.P.D.M. layer and the structural spray be greater than one month a primer must be applied before the structural spray is applied.
- 10.3 Application of a water impermeable two-component polyurethane layer to achieve the high performance characteristics of a full polyurethane track. The Champ Track F.P.U. surface is applied by an authorized installer or Sportbau Canada Limited. The first layer of the Champ Track F.P.U. system must include a thixotropic agent to ensure that the polyurethane will not penetrate the Toro-Tan to an excessive depth.
11. Line painting is applied using two-component polyurethane paint.

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