

TTC Cushion Pro Tennis Court System

System Build-Up Specification

High-Performance Acrylic Cushion Tennis Court System
This cushioned tennis court system is designed to provide excellent playing comfort, ball response, shock absorption, durability, and UV resistance for outdoor sports surfaces. The system can be installed over concrete or asphalt substrates.

System Layers

1. Primer Layer (Concrete Substrates Only)

Product: PolyClear PU 080

- Solvent based polyurethane primer.
- Enhances adhesion between concrete substrate and acrylic system.
- Seals concrete pores and improves substrate integrity.

Not required when the substrate is asphalt.

Application Rate: 0.15-0.25 kg/m²



2. Acrylic Resurfacer Layer

Product: Prime Coat resurfacer
Color: Black
Composition:

- Acrylic Resurfacer
- Silica Sand

Function:

- Levels minor surface imperfections.
- Creates a uniform textured base.
- Enhances mechanical bonding for subsequent layers.

Application: 1-2 coats depending on substrate condition.

Application Rate: 0.4 - 0.450 kg/m²



3. Acrylic Cushion Layer

Product: Flex Court Cushion
Composition:

- Acrylic Cushion Binder
- SBR Rubber Particles

Function:

- Provides shock absorption and player comfort.
- Reduces stress on joints and muscles.
- Improves playing performance and safety.

Application: Multiple coats to achieve the specified cushion thickness.

Application Rate: 0.300- 0.350 kg/m²

4. Acrylic Tennis Court Paint with Silica Sand

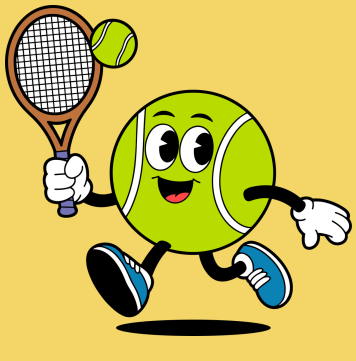
Composition:

- Acrylic Tennis Court Paint
- Graded Silica Sand

Function:

- Provides surface texture and slip resistance.
- Controls ball speed and playing characteristics.
- Creates a durable intermediate wearing layer.

Application: 1-2 coats.

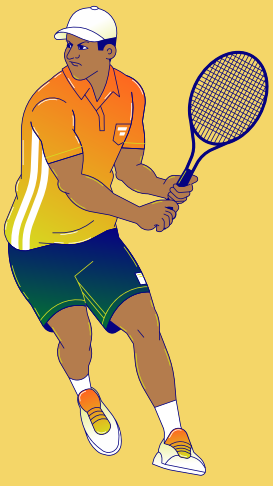


5. Finish Coat

Product: Sport Shield Color (UV Resistant)
Function:

- Provides final surface color.
- Excellent UV and weather resistance.
- Long-term color retention.
- Protection against outdoor environmental conditions.

Application: 1-2 coats.



6. Court Line Marking



Product: Road Markeing Paint WB
Function:

- High visibility court markings.
- Excellent adhesion.
- Durable and weather-resistant.
- Fast drying and environmentally friendly.

Line Color: White

Key Benefits:

✅ Comfortable cushioned playing surface
✅ Excellent shock absorption
✅ UV and weather resistance
✅ Consistent ball bounce
✅ Slip-resistant texture
✅ Long service life
✅ Suitable for professional and recreational tennis courts
✅ Low maintenance requirements

