

Construction Method
Tennis Court & External Game Sport Floor
Specification for All Weathered [Global]

**Teni Coat UV is Color Texture Type &
Teni Mastic is Acrylic Mastic Coat or
Teni Filler is Acrylic Filler Base**

A) Apply on Asphalt Premix + Cold Fine Premix

- A1. **Court Layout**
**** Standard Court**
**** Tournament Court**
- The standard size of the tennis court layout including Boundary area [without drainage]
18.30m [60'-00"] x 36.60m [120'-00"]
24.38m [80'-00"] x 45.72m [150'-00"]
- A2. **Excavation**
- To excavate 390mm (15.35") well-compacted below ground level, subject to and depending on finished level.
- A3. **Base Course/50mm to 75mm Stone Crusher**
- Lay of approximately 305mm (12") thick crusher-run well spread and compacted to a finish gradient of 1:120 across the court surface from side to side in one place.
- A4. **Asphalt Premix Type**
+
Cold Fine Premix
- A4.1 Lay 75mm (3.00") thick **Asphalt Premix** on the base course crusher-run in accordance to standard specifications having a maximum aggregate size of 9mm (3/8"). All asphalt premix must laying by "Paving Machine" & 20 ton Vibrated Machine with 90% well compacted.
- Note: **Asphalt Premix Mixing Contain as Details**
Bitumen 80/100: 60kg/ton or 6.00%/ton
O.P Cement: 50 kg/ton
Aggregate 10mmØ: 750 kg/ton
Fine Sand: 140 kg/ton
- A4.2 Lay 12 until 20mm thick of **Cold Fine Premix** on the asphalt premix surfaces in accordance to standard specifications for achieve of 100% smooth. All cold fine premix must laying by "Paving Machine" & 20 ton Vibrated Machine with 99% well compacted.

Note: **Cold Fine Premix Mixing Contain as Details**
Bitumen 80/100: 70kg/ton or 7.00%/ton
O.P Cement: 100 kg/ton
Fine Sand: 680 kg/ton
Calcium Carbonate: 150 kg/ton

A4.3 The asphalt premix surface shall be properly cured and clean and obtain maximum leveling, proper pitch and tight surface density or premix leveling course before application of **TENI FILLER BASE with MASTIC BASE & TENI COAT UV** to ensure maximum performance and economy.

Flood the whole surface with water and mark out all ponding areas of more than 4.00mm depth. Thereafter, sweep the water away and allow drying.

A5. **Teni Filler Base with**
Teni Mastic Base &
Teni Coat UV
***** Standard Court**
& * Tournament Court**

The Complete system of **Teni Filler Base & Teni Mastic Base** with **Teni Coat UV** In-depth Acrylic lay by rubber squeegee over the prepared asphalt premix or Cold Fine Premix or concrete surface, comprises:-

A5.1 1 layer **Teni Filler Base** coat to be filling at least >2.00 - 5.00kg/m², level and arrest Minor depressions, irregularities and ponding areas.
(We Recommended This System to Filling the Ponding Area)

A5.2 1 layer **Teni Mastic Base** Coat to provide firm standard tennis base.

Note: Apply each layer >1.5-2.50kg/m² of **Teni Mastic Base**

A5.3 1 layer **Teni Coat UV** Color Texture coat to attain uniformity.

Note: Apply each layer 0.70-1.20kg/m² of **Teni Coat UV**

A6. **Choice of Colors**
Texture Color Finishing

The courts shall have two tone colors:-

- i.e. Green to court area & Red for the boundary area.
OR
- i.e. Yellow to court area & Brown for the boundary area.
OR
- i.e. Green to court area & Dark Green for the boundary area.
OR
- i.e. Blue to court area & Dark Blue for the boundary area.
OR
- i.e. Gray to court area & Dark Gray for the boundary area.

A7. **Playing Lines**

Teni Coat UV White Acrylic paint to mark all court lines in accordance to the International Tennis Federation Rules and Regulations.

Playing lines shall be accurately located and marked by snapping chalked lines on the Court surface.

Standard dimensions shall be used. Lines shall be painted with acrylic or **Teni Coat UV Line Paint** and no oil base paint will be permitted.

A8. **Net Posts, Net and Centre Strap Anchor**

Tennis Net Posts and Centre Strap Anchor shall be installed with mass concrete, Footings in correct position. Approved tennis net shall be fixed to the required height in position for play.

A9. **Precaution**

Allow new asphalt premix surface minimum 21 days to cure OR new concrete surfaces 28 days to cure prior to application of **Teni Filler, Teni Mastic & Teni Coat UV color texture** system.

The Complete court surface shall be protected from traffic during all operations and shall not be opened for use for at least 24 hours, preferably 3 to 7 days to allow the coloured filled finish surface to dry completely to ensure maximum performance and economy.

A10. **Guarantee**

The coloured filled acrylic finish playing surface shall have Guarantee against peeling due to the defective materials, or faulty workmanship for a period of two [02] year upon practical completion.

The tennis court surfacing shall be Teni Coat UV system or equivalent to be carried out by a Specialist

*Contractor approved by the Architect or
Superintending Officer (S.O.)*

B) Apply on Concrete Surfacing Construction

- B1. **Court Layout**
- The standard size of the tennis court layout including Boundary area [without drainage]
- ** Standard Court** 18.30m [60'-00"] x 36.60m [120'-00"]
- ** Tournament Court** 24.38m [80'-00"] x 45.72m [150'-00"]
- B2. **Excavation**
- To excavate 405mm (16") well-compacted below ground level, subject to and depending on finished level.
- B3. **Base Course/50mm to 75mm Stone Crusher**
- Lay of approximately 305mm (12") thick crusher-run well spread and compacted to a finish gradient of 1:120 across the court surface from side to side in one place.
- B4. **Concrete Floor Type**
- B4.1 Cast 100mm (4") thick G 20 Concrete on the base course crusher-run in accordance to standard specifications having aggregate size of 20mm (3/4") and about plus reinforced of BRC A8 at One [1] Layer with poker vibrating equipment.
- B4.2 The reinforced concrete surface shall be properly cured and clean and obtain maximum leveling, proper pitch and tight surface density or concrete leveling course before application of **MASTIC BASE & TENI COAT UV** to ensure maximum performance.
- Flood the whole surface with water and mark out all ponding areas of more than 2.00mm depth. Thereafter, sweep the water away and allow drying.
- B5. **Teni Filler Base with Teni Mastic Base & Teni Coat UV**
- *** Standard Court**
& * Tournament Court**
- The Complete system of **Primer Coating for special on concrete surfaces & Teni Mastic Base with Teni Coat UV** In-depth Acrylic lay by rubber squeegee over the prepared concrete surface, comprises: -
- B5.1 1 layer **Primer Coat** to be filling at least >1.00 - 1.20kg/m².
- B5.2 1 layer **Teni Mastic Base Coat** to provide firm standard tennis base.

Note: Apply each layer >1.50-2.00kg/m² of **Teni Mastic Base**

B5.3 1 layer **Teni Coat UV** Color Texture coat to attain uniformity.

Note: Apply each layer 0.70-1.00kg/m² of **Teni Coat UV**

B5.4 **Teni Coat UV White Acrylic** paint to mark all court lines in accordance to the International Tennis Federation Rules and Regulations.

B6. **Choice Colors**
Texture Color Finishing

The courts shall have two tone colors:-

- i.e. Green to court area & Red for the boundary area.
OR
- i.e. Blue to court area & Yellow for the boundary area.
OR
- i.e. Yellow to court area & Brown for the boundary area.
OR
- i.e. Green to court area & Dark Green for the boundary area.
OR
- i.e. Blue to court area & Dark Blue for the boundary area.
OR
- i.e. Gray to court area & Dark Gray for the boundary area.

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Playing lines shall be accurately located and marked by snapping chalked lines on the Court surface.

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B10. **Guarantee**

The coloured filled acrylic finish playing surface shall have Guarantee against peeling due to the defective materials, or faulty workmanship for a period of Three [03] year upon practical completion.

The tennis court surfacing shall be Teni Coat UV system or equivalent to be carried out by a Specialist Contractor approved by the Architect or Superintending Officer (S.O.)



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