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Tour Court system.

Installation guide

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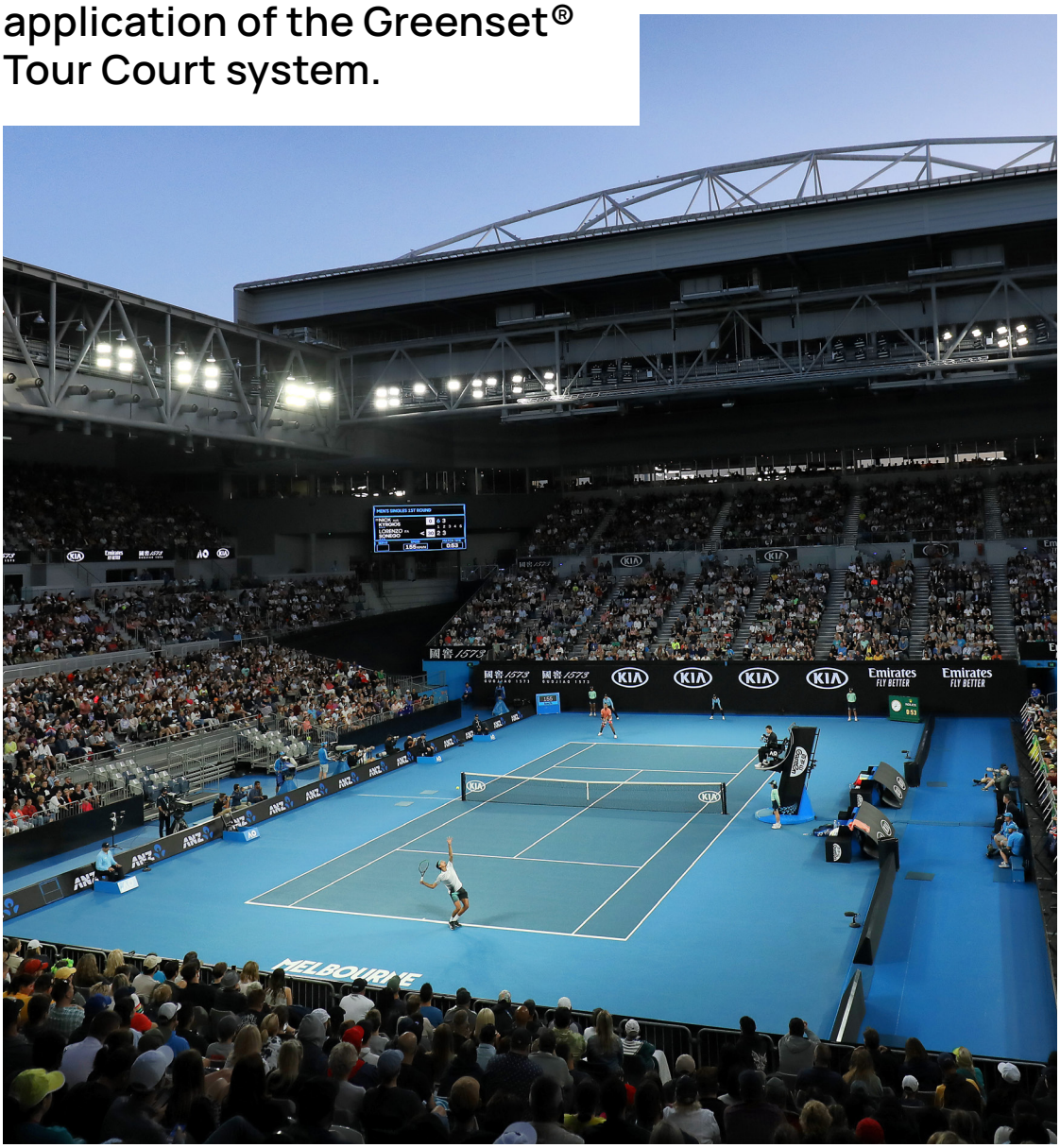
Greenset® has prepared this installation guide to aid in the application of the Greenset® Tour Court system.



Consumptions might vary depending on variations in site conditions and application techniques.

Before starting any work, the applicator should thoroughly review this installation guide and all system component technical data sheets.

Greenset® materials do not need any type of mix. All our acrylic products are one component and just need to be mixed with water.

All the coverage rates below vary depending on different factors regarding the application process. Every installer should thoroughly assess the conditions of the working site and order material based on the conditions of the site.

Please note that application technique or mixing technique might slightly vary the consumption rates below.

Greenset® Tour Court Components	**Maximum Dilution** Material to Water	**Drum Volume in Gallons**	**Standard Consumption Ratio for a 7,200 sq.ft court**	**Consumption rate in sq.ft/Gal**
Greenset® Bonding Coat Primer **Only if new concrete**	None	5	6 Drums	234
Greenset® Black Base (1 coat)	1 drum of water for every 6 drums of Greenset® Black Base	5	12 Drums	129
Greenset® Finish (1 coat) **1st coat**	1 drum of water for every 6 drums of Greenset® Finish	5	12 Drums	123
Greenset® Finish (1 coat) **2nd coat**	1 drum of water for every 6 drums of Greenset® Finish	5	12 Drums	123

* All our Greenset® Tour Court components are water-based acrylics. Excess material may be resealed and stored in a cool dry environment for future use. Storage life is approximately 4 years.

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01 Surface preparation

The substrate shall be **cleand and dry** before coatings are applied. The surface of the substrate shall be inspected and made sure to be free of grease, oil, dust, dirt and other foreign matters before any coatings are applied. Defects in the substrate must be addressed and all projections must be leveled prior to the commencement of the surfacing applications.

Once the surface has been thoroughly cleaned and is free of all loose material, dirt, or dust, the court shall be flooded and allowed to drain a minimum of 30 minutes and a maximum of 1 hour. Any area that holds water (puddle) in a depth greater than 1/8 inch shall be outlined and patched.

Patching

Puddles shall be leveled using Prebase.
Primer shall be brushed into place and allowed to dry prior to patching. Prebase requires no mixing with other components or water. Allow enough time to dry before applying above.

Crack filling

Cracks shall be cleaned, primed, and filled using Crack Repair. Use Black Base for cracks 1/8 inch or less. Use Crack Repair for cracks greater than 1/8 inch.

For applications over asphalt or new concrete, the asphalt and concrete should be allowed to cure a minimum of 15 days and 30 days respectively. Important that the substrate is free of any residual moisture. Excessive moisture levels can be determined by taping a 10 sq.ft clear piece of plastic over the substrate with duct tape. Be sure that all of the edges of the plastic are sealed with the duct tape. Leave the plastic minimum 1hour and check for condensation under the plastic. If water appears, repeat the test every 1 hour until the plastic remains dry.

It is important that you strictly follow the guidelines of surface preparation, detailed above.
Each coat should be completely dry before applying the next one.

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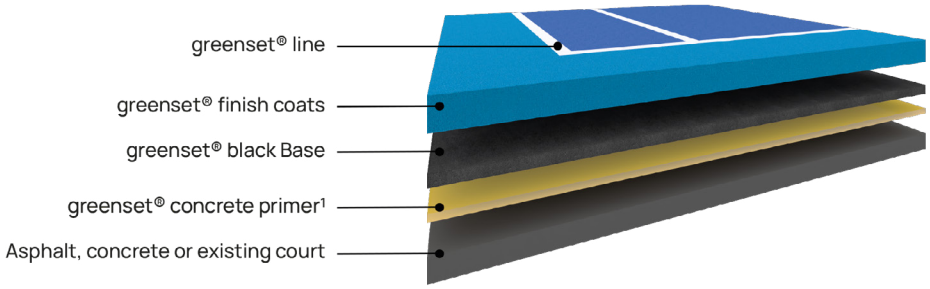
02 Application System layers



1 Needed for concrete surfaces: use concrete primer, bonding coat or Resurfacer

Bonding Coat Primer **If new Concrete only**

When installing the Greenset® Tour Court system over concrete, BC Primer must be applied as the first layer of the system. Do not incorporate air when mixing. Spread the mixed primer on the substrate using a 32" to 40" wide flexible rubber squeegee, to achieve a total coverage of approximately 234 sq ft per gallon. Allow 5 to 6 hours drying time before proceeding.

Black Base Coat(s) **1-2 coats as needed**

Apply one coat of Greenset® Black Base using a 32" to 40" wide flexible rubber squeegee. Batch mix shall consist of 30 gallons of Greenset® Black Base and 5 gallons of water. The application rate shall be 129 sq.ft/gal (non-porous surface) and 62 sq.ft/GAL (very porous surface such as new asphalt) of undiluted Greenset® Black Base per coat.

Finish Color Coats **2 coats**

Apply two coats of Greenset® Finish using a 32" to 40" wide flexible rubber squeegee. Batch mix shall consist of 30 gallons of Greenset® Finish and 5 gallons of water. The application rate shall be 123 sq.ft/GAL of undiluted Greenset® Finish concentrated per coat. Drying times before applying a coat on top is minimum 6 hours for the 1st coat and 4 to 6 hours for the 2nd Greenset® Finish coat. Each coat should be completely dry before applying game lines. Allow topcoat to cure a minimum of 24 hours before applying game lines.

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Game Lines **1-2 coats as needed**

Wait a minimum of 24 hours after final color coat before applying line paint. No need to mix the Greenset® Line with water for the application. Apply 1 to 2 coats as needed of Greenset® Line Paint with a brush or roller in between masking tape. Remove masking tape immediately after lines are dry. Allow lines to dry a minimum of 24 hours before allowing play on court.

03 Application Limitations

- Minimum cure time for asphalt is 15 days
- Minimum cure time for concrete substrates is 30 days.
- Mandatory for concrete less than 3% humidity before apply Bonding
- Do not apply over damp or wet substrates.
- Do not apply coatings if extremely high humidity prevents drying.
- Do not apply to surfaces during the out-gassing of vapor.
- Minimum application and curing temperature 50°F.
- Maximum substrate temperature 130°F.
- Substrate temperature must be a minimum of 7°F above the dew point.
- Do not apply during inclement weather or when it is anticipated
- Water used in all mixtures shall be fresh and potable.

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