



DIACRYLIC TC

Acrylic Tennis Court Coating

1. Product Description

a. **Basic Use:** Diacrylic TC is an acrylic-based tennis court and recreational surface coating designed to color and protect asphalt and concrete substrates. Diacrylic TC produces a long-lasting, skid-resistant and decorative surface.

b. **Features/Benefits:**

- Does not contain solvents and totally complies with VOC regulations.
- Durable surface will not chalk, fade or discolor due to weathering.
- Lowers court and playground temperatures by reflecting sunlight compared to black asphalt surfaces that absorb heat.
- Compatible with most conventional striping paints.
- Versatile formulation may be used on existing surfaces as well as new installations.
- Non-glare finish improves visibility under natural sunlight and artificial lighting.
- Skid-resistant surface provides excellent traction without "sandpaper grit" type finish.
- Water-based coating system is easy to apply with lower cost unskilled labor.
- Provides a breathable membrane allowing vapor pressure to escape.

c. **Typical Application:** Diacrylic TC is used on tennis courts, basketball courts, playgrounds, sidewalks, crosswalks, swimming pool decks, patios, parking lots, handball courts, plaza decks and golf cart paths.

d. **Limitations:** Do not apply if ambient and surface temperatures are below 50°F (10°C), or if rain is imminent. Do not apply if surface temperature is in excess of 140°F (60°C).

e. **Composition:** Diacrylic TC is a water-based, single component concentrate, acrylic polymer coating system.

f. **Color/Appearance:** Diacrylic TC is available in three standard colors: tan, green and red.

2. Packaging

Diacrylic TC is packaged in one standard unit as shown below:

<i>Unit</i>	<i>Shipping Wt.</i>
<i>5-gal. (18.9 liter) pail</i>	<i>50 lbs. (22.7 Kg)</i>

3. Estimating/Coverage

Recommended coverage rates are based on undiluted Diacrylic TC.

<i>Application</i>	<i>Coverage Rate</i>
<i>1st Texture Coat</i>	<i>150-200 sq. ft. (13.9-18.6 sq. m)</i>
<i>2nd Texture Coat</i>	<i>150-200 sq. ft. (13.9-18.6 sq. m)</i>
<i>Finish Coat</i>	<i>300 sq. ft. (27.9 sq. m)</i>

4. Technical Data

Drying Time: 15 to 30 minutes at 70°F (21°C) and 50% relative humidity.

5. Directions for Use

a. **Preparation:** Power wash entire surface with water to remove all loose dirt, grit and other deleterious material. Concrete surfaces must be free of all curing compounds. Low spots or "birdbaths" should be filled and repaired with Thinpave. All cracks should be sealed with undiluted Diacrylic TC.

b. **Priming:** Diacrylic Concrete Primer must be applied at the rate of 300 sq. ft./gal. (7.4 sq. m/liter) on all bare concrete surfaces.

c. **Texture Coat Mixing:** Diacrylic TC should be diluted with potable water at a rate of 0.5 gal. (1.9 liter) of water to 1.0 gal. (3.8 liter) of undiluted coating. Add 8 lbs. (3.6 Kg) of 60-90 mesh silica sand for each 1.0 gal. (3.8 liter) of undiluted Diacrylic TC to produce desired texture. Mix thoroughly to a uniform consistency with a high torque drill and Metco Jiffy Mixing Blade. Mix at speeds that do not entrap air. A typical mix would be 10 gals. (37.8 liter) Diacrylic TC, 5 gals. (18.9 liter) water, and 80 lbs. (36.3 Kg) of silica sand.

d. **Texture Coat Application:** After the surface preparation and priming are complete, apply the diluted texture coat by using a flexible rubber squeegee. Simply pour the mixed Diacrylic TC onto the substrate and distribute evenly to produce a uniform appearance. After the first texture coat has dried, reapply a second texture coat at right angles to the first coat.

e. **Finish Coat Mixing:** Diacrylic TC should be diluted with potable water at a rate of 0.5 gal. (1.9 liter) of water to 1.0 gal. (3.8 liter) of undiluted coating. Sand is not normally added to the Finish Coat. Mix thoroughly to a uniform consistency with a high torque drill and Metco Jiffy Mixing Blade. Mix at speeds that do not entrap air.

f. **Finish Coat Application:** Pour the mixed finish coat onto the substrate and distribute with a flexible rubber squeegee. A soft bristle push broom may be used to texture or finish this last coat.

g. **Lining:** All lines should be painted with Diacrylic White Lining Paint using masking tape to produce sharp edges.

h. **Working Time/Pot Life:** All mixed Diacrylic TC coating should be applied within 2 hours after mixing. If settling occurs remix material before applying.

i. **Cure Time:** Diacrylic TC becomes tack free in one hour depending upon temperature and humidity. Do not apply late in the afternoon or when rain is eminent. Final cure requires 2 days.

j. **Clean Up:** Tools and equipment coated with Diacrylic TC should be cleaned with Waterzall Concentrate and water.

k. **Maintenance:** Diacrylic TC surfaces should be cleaned with Waterzall Concentrate and water. Diacrylic TC may be reapplied to itself after proper surface preparation.

6. Availability

Diacrylic TC is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Diacrylic TC is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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