



## AcryCushion TDS

### 1.0 General Description

**AcryCushion** is a proprietary mixture of 100% acrylic latex, mineral fillers, and finely graded EPDM and SBR rubber particles that, when applied in multiple layers, results in a resilient but firm championship surface for use on tennis courts. AcryCushion may be applied with a squeegee or sprayed with an air diaphragm or hydraulically operated sand pump sprayer. AcryCushion is designed for competitive and professional tennis play. AcryCushion provides a standard cushion surface depth of approximately 3.5 mm and will benefit the player whose ankles, knees, and back become tired and sore after multiple sets of tennis.

### 2.0 Safety Guidelines

Avoid contact with eyes, skin and clothing. Refer to MSDS for additional information.  
Wear proper NIOSH approved respirator when handling silica sand.

### 3.0 Storage and Handling

Protect from freezing. Store between 4°C (40°F) and 32°C (90°F).  
Packaging: 55 gallon drum (460-560 lbs.); 30 gallon drum (260-300 lbs.). Drums are heavy. Use caution when moving.

### 4.0 Preparation Guidelines

#### 4.1 New Construction (asphalt)

- a. Allow asphalt to cure a minimum of 14 days.
- b. Flood surface with water to check for depressions 1/16" or greater. Fill with ACRYTECH Sport Patch (Deep Patch) as needed and allow to cure.

#### 4.2 New Construction (concrete) – See ACRYTECH Concrete Prep TDS

- a. For proper bonding concrete should have a broom finish and a vapor barrier installed.
- b. Allow concrete to cure a minimum of 30 days.
- c. Acid bath concrete using muriatic acid. Follow manufacturers' recommendations.
- d. Flood surface with water to check for depressions 1/16" or greater. Fill with ACRYTECH Sport Patch (Deep Patch) as needed.
- e. Prime concrete with ACRYTECH Adhesion Promoter.

#### 4.3 Existing Construction (asphalt or concrete)

- a. Pressure wash surface to remove dirt, mildew and other contaminants.
- b. Repair cracks with ACRYTECH Sport Patch (Deep Patch) or other crack repair method.

#### 5.0 Application – see section 6.0 for mixing instructions

With a 36-48 inch 50 durometer squeegee or air diaphragm/hydraulically operated sand pump sprayer, first apply all coats of medium cushion (0.5-1.0 mm EPDM rubber granules) followed by 3 coats of small cushion to asphalt or concrete surfaces. The medium cushion builds surface volume while the small cushion fills in voids leaving a smooth surface ready for ACRYTECH Colorguard or Match. **NOTE:** AcryCushion must not be applied on exterior concrete surfaces without proper concrete preparation and the knowledge of a concrete vapor barrier in place.

Cushion	AcryCushion Standard	AcryCushion ITF (most common)	AcryCushion (extra cushion)
Medium Cushion coats	2	3	4
Small Cushion coats	3	3	3

#### 5.1 Acrylic Resurfacer

- a. Apply 1 coat on new surfaces to help first large cushion coat “grab.”
- b. For recoats and hard court to cushion conversions, apply 1 coat only if previous surface has no remaining texture for cushion to “grab.”

#### 5.2 Medium Cushion – allow each coat to thoroughly dry

- a. Apply 1<sup>st</sup> coat at a rate of approximately .16-.20 gal/sq yd. 1<sup>st</sup> coat may appear inconsistent as the cushion layer fills in surface imperfections and begins to “grab.”
- b. Apply 2<sup>nd</sup> coat at a rate of approximately .26 gal/sq yd.
- c. Apply 3<sup>rd</sup> coat at a rate of approximately .22 gal/sq yd.
- d. Apply additional coats at a rate of approximately .22 gal/sq yd. as necessary.

#### 5.3 Small Cushion – allow each coat to thoroughly dry

- a. Apply 1<sup>st</sup> coat at a rate of approximately .16 gal/sq yd. The 1<sup>st</sup> coat will use more product as it fills the voids in the medium cushion surface.
- b. Apply 2<sup>nd</sup> coat at a rate of .10-.11 gal/sq yd.
- c. Apply 3<sup>rd</sup> coat at a rate of .10-.11 gal/sq yd.

#### 5.4 Colorguard or Match – see Colorguard or Match TDS

- a. Apply 3 coats for heavy use/professional courts.

5.5 Line Markings

- a. Apply 1 coat of ACRYTECH Line Primer (optional).
- b. Apply 1 coat (min) of ACRYTECH White Line Paint.

6.0 Mixing Instructions

<b>Product</b>	<b>Concentrate (gal)</b>	<b>Water (gal)</b>	<b>Sand</b>	<b>Concentrate Coverage</b>
Acrylic Resurfacer	27.5	15-18	200	.04-.05 gal/sq yd.
Medium Cushion	44	11-12		.16-.26 gal/sq yd.
Small Cushion	44	11-12		.10-.12 gal/sq yd.
Colorguard	27.5	15-18	See Below	.04-.05 gal/sq yd.
Match	30	15-21	Pre-Mixed	.047-.056 gal/sq yd.

<b>Colorguard Court Speed of Play and Mixing Chart</b>			
<b>Speed of Play</b>	Medium-Slow	ITF Medium (standard)	Medium-Fast
<b>Sand Grade</b>	80 mesh	80 mesh	80 mesh
<b>Sand Qty</b>	225 pounds	200 pounds	150 pounds
<b>Water</b>	15-18 gallons	15-18 gallons	15-18 gallons

7.0 Limitations

DO NOT APPLY WHEN:

- 6.1 Rain is in the near forecast.
- 6.2 Surface temperatures exceed 54°C (130°F). Surface temperatures may be reduced by misting surface with water prior to application except on the final coat of color.
- 6.3 Ambient air temperatures are below 1°C (34°F).