



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 AcryLock.

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 1st coat at a rate of approximately .16-.20 gal/sq yd. 1st coat may appear inconsistent as the cushion layer fills in surface imperfections and begins to “grab.”
- b. Apply 2nd coat at a rate of approximately .26 gal/sq yd.
- c. Apply 3rd 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 1st coat at a rate of approximately .16 gal/sq yd. The 1st coat will use more product as it fills the voids in the medium cushion surface.
- b. Apply 2nd coat at a rate of .10-.11 gal/sq yd.
- c. Apply 3rd 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

| Product | Concentrate (gal) | Water (gal) | Sand | Concentrate Coverage |
|--------------------|--------------------------|--------------------|-------------|-----------------------------|
| 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. |

| Colorguard Court Speed of Play and Mixing Chart | | | |
|--|---------------|-----------------------|---------------|
| Speed of Play | Medium-Slow | ITF Medium (standard) | Medium-Fast |
| Sand Grade | 80 mesh | 80 mesh | 80 mesh |
| Sand Qty | 225 pounds | 200 pounds | 150 pounds |
| Water | 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).

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www.tennispaint.com | 888-294-0428

2660 Easterly Place | Decatur, GA 30035