

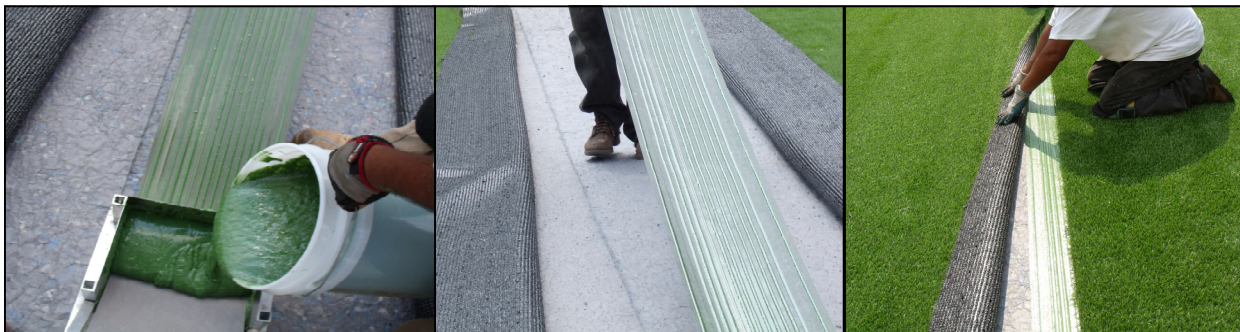
# Turf Claw™

Synthetic Turf Adhesive



Engineered Sportfield Solutions now offers the latest technology in artificial turf adhesives to revolutionize the synthetic turf industry one seam at a time! The new Turf Claw™ is eco-friendly and easy to install. This adhesive is a viscous, single-part, moisture-cured, polyurethane adhesive, formulated for the seaming of indoor and outdoor synthetic turf to a variety of substrates. Since it is a 100% solids, it can replace solvent based contact adhesives with complete elimination of VOCs without affecting performance.

Turf Claw™ is easily applied by trowel or extrusion with a simple glue box applicator. The UV sensitive dyes allow for high visibility when you install. Turf Claw™ provides superior seam strength, greater than any other one-part turf adhesive on the market. There is no mixing is required; just apply the adhesive to either or both bonding surfaces. No open time is needed; bonding surfaces can be assembled immediately. As always, ESS has taken the approach of making athletic fields perform better and safer for athletes. Our technologies are designed to provide *Best Practice* solutions for the most common problems associated with any athletic surface.



## FEATURES & BENEFITS:

- **Best Adhesion by One Part Adhesives in the Industry**
- **Quick Green Strength**
- **Little to No Foaming**
- **No Solvents**
- **No Mixing Necessary**
- **Easy Spreading for Faster Application**
- **Processed and Packaged under a Nitrogen Blanket**
- **Tacks in 30 mins and has a Quick Cure Time**
- **Full Cure: 24 hours @ 77 F and 50% relative humidity**



ENGINEERING  
ADHESIVE  
TURF  
ADHESIVE

**PRODUCT  
DATA SHEET**



**Physical Properties**

Color	Green
Density	7.1 lbs/gal
Odor	Neutral
Shelf Life	6 months
Solids	100%
Specific Gravity	1.3
Tack Time Cure Time Full Cure	30 Mins 45-60 Mins 24 Hours @ 77 F And 50 relative humidity
Viscosity	>70,000 cps
VOCs	0%
Weight per Gallon	8 lbs


**Performance Properties**

Conditioned 14 days at 73 Deg. F./50% R.H.

Room Temp. (Deg. F)	Tensile Strength	% Elongation
77	3204 +/- 359 PSI	916 +/- 86%
160	597 +/- 39 PSI	758 +/- 42%
-20	7315 +/- 478 PSI	17 +/- 3%

**Approximate Product Coverage \***

Direct Adhesive Bonding

Flooring Type	Typical Trowel	Coverage
Synthetic Turf (Direct Bond Seaming)	1/4" x 1/4" x 1/4" 	Full Spread: 30-35 linear ft. per U.S. gal

\* Trowel dimensions are depth/width/space. Coverage shown are for estimation purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

**TurfClaw™ Adhesive Application Instructions**

1. For best results, thoroughly blend adhesive with a mixing paddle.
2. Ensure application surfaces are clean and oil free.
3. Apply to seaming tape or hard surface with a 3/16" or 1/4" notched trowel.
4. You can lightly mist the adhesive with water to speed up the cure process.
5. Lay turf into adhesive covered tape or surface, and press firmly to make proper contact.
6. Allow joints to set for 30 minutes, then roll with a weighted roller.
7. Allow another 60 minutes of rest, then roll joints again with a weighted roller.

**TurfClaw™ Adhesive Storage Procedures**

1. Unopened containers should be stored in a cool, dry environment. Humidity should be kept as low as possible.
2. Unused glue may be stored in its original container. The length of storage time will depend on the amount of moisture in the product and the humidity of the storage facility. For best results, cover the unused adhesive with plastic wrap and press it firmly to the surface of the adhesive. Then immediately replace the container lid.

Note: For installation of Polypropylene or Polyester tape works best. Tape that is designed for solvent based adhesives will not achieve the proper bond since they are coated and need the proper solvent to break it down for adhesion.

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