



# 149, 2-C Turf Adhesive

## 1. PRODUCT NAME

TEC® 149, 2-C Turf Adhesive  
(149)

## 2. MANUFACTURER

H.B. Fuller Construction Products Inc.  
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Aurora, IL 60504-6451 U.S.A.  
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## 3. DESCRIPTION

TEC® 149, 2-C Turf Adhesive is a two-component, quick grab, premium performance urethane adhesive designed to provide superior bonds for synthetic turf field covering at the seams, line markings, and logos. TEC® 149 is applicable for interior and exterior athletic and landscape applications. The adhesive is green in color to blend in with most synthetic turf products and it cures in 12 hours to a tough durable bond. TEC® 149 provides seam strengths that are in compliance with FIFA standards.

### Key Features and Benefits

- High green strength (grab)
- Good stability, long term durability and longevity
- Easy to handle, flexible adhesive film
- Weatherproof, usable at various temperatures
- Resistant to water, fungus and mildew
- Reliable in hot and cold outdoor conditions
- Solvent free
- Green in color
- Low VOC

### Packaging

One 2.58 gallon plastic pails (9.77 L)

Product #7100011313

### Coverage

Approximately 136-222 sq. ft. per 2.58 gallon pail (12.6-20.6 m<sup>2</sup> per 9.77 L). Coverage will vary with the type of synthetic turf field covering and job conditions. Determine recommended trowel size based on floor covering type.

#### Trowel Recommendations

Floor Covering Type	Trowel
Heavy textured backing	¼" x ¼" x ¼" (6 x 6 x 6 mm) square notched trowel
Smooth or Attached Cushion backing	⅛" x ⅛" x ⅛" (3 x 3 x 3 mm) square notch

### Suitable Substrates

- Polyester fiber seam tape (TEC® Seam Tape "F" or manufacturer recommended seaming scrim)

### Storage

Adhesive should be tightly closed and stored at normal ambient temperatures, 41°F-104°F (5°C-40°C). Use as soon as possible.

### Shelf Life

Maximum shelf life is 12 months in original unopened packaging.

### Limitations

- The temperature of adhesive, environment, field base and synthetic turf field covering should be between 59°F and 84°F (15°C and 29°C).
- The relative air humidity should not exceed 80%.
- Lower temperatures negatively influence the consistency of the adhesive, thus prolonging the curing time.

- Higher temperatures cause the adhesive to be more liquid, thus a higher quantity of adhesive may be required.
- Higher temperatures shorten the adhesive pot life and application time.
- Adhesive should not be applied in wet, raining and misty conditions.

### Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC® brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

## 4. TECHNICAL DATA

### Physical Properties

TEC® 149, 2-C Turf Adhesive (149)	
Description	
Base	Adhesive - Polyurethane Swift Hardener 9530 - Isocyanate
Color	Adhesive - Green Swift Hardener 9530 - Brown
Consistency	Paste-like
Pot Life	60-70 minutes
Open (Installation) Time	90 minutes
Initial Set Time	90-120 minutes
Final Curing Time	12 Hours
Storage	41°F-104°F (5°C-40°C)
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.

## 5. INSTALLATION INSTRUCTIONS

### Surface Preparation

**Subfloor:** The sport field base must be load-bearing and suitable as sports grounds without any defects. The sport field base must be equipped with proper drainage and must be solid and firm according to the relevant requirements.

**Substrate:** The substrate must comply with the synthetic turf manufactures standards and regulations for the type and intended use. Please refer to the synthetic turf manufacturer's guidelines.

### Mixing

A twin volume pail containing the hardener and the PU adhesive guarantees a safe, speedy and clean preparation of the adhesive. Parts A and B are packaged with the exact quantity and ratio required for mixing.

1. Open top section and tear open the foil pack Part B.
2. Pour the Part B into the pail Part A.
3. Use a low-speed electric drill (<300 rpm) and mix thoroughly (not less than 3 minutes) to a smooth, homogeneous mixture.

### Notes

- Do not use or apply those parts of the adhesive which may have stuck to the edges when mixed. It may be better to pour the mixture into a clean bucket and stir again.
- Mix only the amount of adhesive which can be applied within approximately 90 minutes.
- Higher temperatures accelerate the hardening of the mixture, lower temperatures delay it.

## Application

- Install synthetic turf floor covering following all manufacturer guidelines.
- TEC® 149 is applied to polyester fiber seam tape (TEC® Seam Tape "F" or manufacturer recommended seaming scrim). The amount of adhesive to be applied will depend on the backing structure of the synthetic turf field covering.
- Adhesive is spread evenly over the seam tape/scrim using the recommended notched trowel or application method (see manufacturer's guidelines for suggested application methods and trowel recommendations).
- Synthetic turf field covering can be installed onto the adhesive immediately after application and should be installed within, approximately 90 minutes of initial application. The actual open or installation time will vary depending on the environmental temperature, air humidity and field base temperature. If the synthetic turf field covering is installed more than 90 minutes after adhesive application, the bonding power cannot be guaranteed.
- Adhesive transfer should be checked periodically by lifting the synthetic turf field covering.
- Immediately after installation, the seams should be rolled or rubbed.
- The same procedures apply to the installation of line markings and logos.

## Clean-up

Clean tools after use with turpentine. Hardened adhesive on tools must be mechanically removed.

## 6. AVAILABILITY

TEC® Premium Tile and Stone Installation Products are available nationwide. To locate TEC® products in your area, please contact:

Phone: 800-832-9002

Website: [tecspecialty.com](http://tecspecialty.com)

## 7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product. For Limited Warranty details visit [tecspecialty.com](http://tecspecialty.com). To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

## 8. MAINTENANCE

Not applicable

## 9. TECHNICAL SERVICES

### Technical and safety literature

To acquire technical and safety literature, please visit our website at [tecspecialty.com](http://tecspecialty.com).

## 10. FILING SYSTEM

Division 9



[tecspecialty.com](http://tecspecialty.com)



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