

ITWTACC–TURF GRIP PRIME SYNTHETIC TURF ADHESIVE

Guide Specification

SECTION 321814

SYNTHETIC TURF ADHESIVES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes synthetic turf adhesives.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Certificates:
 - 1. GREENGUARD Children & Schools.
 - 2. GREENGUARD Indoor Air Quality.

1.3 REGULARY REQUIREMENTS

- A. SCAQMD (South Coast Air Quality Management District), Rule 1168 – Adhesives and Sealant Applications.
- B. All California Air District Regulations.
- C. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

1.4 STORAGE

- A. Store in a dry place. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall. Do not allow contact with water or moisture.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Synthetic Turf Adhesives:

1. Turf Grip PRIME manufactured by ITW TACC (Basis of Design).
 - a. 195 DeMille Road, Lapper, Michigan 48446 (810) 245-2155.
2. Or equal.

2.2 SYNTHETIC TURF ADHESIVES

- A. Description: High viscosity polyurethane adhesive that is specially formulated to meet multi-use synthetic surfaces. Solvent-free, single-component, moisture-cured structural adhesive designed to bond all types of synthetic turf, including; putting greens, athletic fields, lawns, airport safety zones, public greenways, and play areas. Nonflammable, contains no solvents, bonds quickly and completely with moisture present in hot or cold weather conditions, and has a very low odor. It can be used for indoor and outdoor applications and can contribute to obtaining LEED Credits. Easy to use and provides high initial tack and good green strength.
- B. Physical Properties:
 1. Working Time: 35 - 40 minutes.
 2. Structural Cure: 3 hours.
 3. Viscosity @ 77°F: 75,000 – 100,000 cPs
 4. Application Temperature: 40°F to 120°F (4°C to 49°C).
 5. Storage Temperature Range: 65°F to 95°F (18°C to 35°C).
 6. Shelf Life in Unopened Container: 12 months from date of manufacture.
 7. EPA Method 24 VOC: 15.6 g/L.
- C. Certification:
 1. GREENGUARD Children & Schools Certified.
 2. GREENGUARD Indoor Air Quality Certified.
- D. Contributes to LEED and other green building rating system credits:
 1. LEED-NC and LEED-CI EQ Credits 3.2 and 4.1, and ID Credit 1.1-1.4
 2. LEED for Schools EQ Credits 3.2 and 4, and ID Credit 1.1-1.4
 3. LEED for Homes MR Credit 2.2 Environmentally Preferable Materials
 4. LEED Core & Shell EQ Credit 4.1 and ID Credit 1.1-1.4
 5. LEED-EB MR Credit 3
 6. CHPS® (Collaborative for High Performance Schools) EQ Credit 2.2
 7. Green Guide for Health Care EQ Credit 4.1
 8. NAHB Model Green Home Bldg Guidelines – Sect 7, Global Impact 7.1.3

PART 3 - EXECUTION

3.1 APPLICATION, GENERAL

- A. Comply with adhesive manufacturer's written instructions for installation.

3.2 ADHESIVE APPLICATION

- A. TROWEL APPLICATION

1. Surfaces should be clean, dry, and free from dirt, oil, grease, and other contaminants before applying adhesive.
2. Spread an even coating of adhesive to the seam tape by pouring or scooping the adhesive out of the pail.
3. Apply with a 3/16" notched trowel. When trowel applied, the adhesive maintains the ridges. Do not apply too much adhesive.
4. For porous materials the turf can immediately be firmly pressed into the seam tape. For nonporous/impervious materials (ex: no drain holes in turf backing; Mylar tape, etc), wait 10 minutes to firmly press turf into the seam tape. Apply even pressure over the surfaces.
5. Let seam rest for 30 minutes, and then roll the length of the seam with a weighted roller twice.

B. GLUE BOX APPLICATION

1. Surfaces should be clean, dry, and free from dirt, oil, grease, and other contaminants before applying adhesive.
2. Line the interior of the glue box with petroleum jelly. This makes clean up easier.
3. Set the teeth of the glue box to 3/16". Do not apply too much adhesive.
4. Fill the glue box by pouring the adhesive out of the pail.
5. Hold the end of the seam tape and pull the glue box to the end of the seam. The adhesive will be deposited onto the seam tape as it comes out of the glue box. The adhesive will maintain the ridges.
6. For porous materials the turf can immediately be firmly pressed into the seam tape. For nonporous/impervious materials (ex: no drain holes in turf backing; Mylar tape, etc), wait 10 minutes to firmly press turf into the seam tape. Apply even pressure over the surfaces.
7. Let seam rest for 30 minutes, and then roll the length of the seam with a weighted roller twice.

END OF SECTION 321814