



matting / athletics / flooring

## INDOOR ST INSTALLATION

### INSTALLATION INSTRUCTIONS

#### GLUE-DOWN TURF PROJECTS

The following installation procedure should be employed when installing artificial turf supplied by Edgewood using our Advanced Adhesive Technologies, AAT-290 Indoor/Outdoor Adhesive. This procedure applies to both concrete (fully cured) and Hot Mix Asphalt (fully cured and hardened).

1. The sub-flooring surface must be fully cured and washed with successive rain or wash waters to remove all excessive chemical materials used to form or cure the surface (alkali, soaps, emulsifiers, oil substances). Proper curing time will range from 45-60 days after sub-floor installation.
2. The sub-flooring surface must be thoroughly cleaned which should include sweeping, vacuuming and mopping to insure removal of all dirt, paint, grease, oils or any contaminants that will prevent good adhesion.
3. The carpet should be allowed to lay out unrolled and allowed to relax at least one hour before installation. Ideal temperature for the installation to take place is 55 to 95 degrees Fahrenheit and the relative humidity should fall between 10% and 65%.
4. The carpet should be pre-cut for each area allowing some excess for proper seaming and edging or any trimming necessary.
5. The AAT-290 non-flammable indoor/outdoor adhesive should be stored in an area that maintains a temperature between 65 and 85 degrees Fahrenheit. The adhesive should be spread on the sub-flooring surface that covers an area approximately one-half the actual size of the carpet strip being glued.
6. The adhesive should be applied using a 1/8 x 1/8 x 1/8 V-notched trowel for smooth backed or action-backed carpets and a 1/8 x 1/8 x 1/8 U or Square-notched trowel for rough backed unitary carpets. The 1/8 V-notched trowel should apply approximately 10-12 yards per gallon whereas the 1/8 U or Square-notched trowel will apply 7-9 yards per gallon. Of course, the variations in the sub-floor surface will affect the final coverage rate.
7. There are two lay-in methods that can be used to lay the carpet into the applied adhesive.
  - a. The adhesive should be applied and allowed to become very tacky before laying the carpet. The tack time will vary with temperature, barometric pressure and air flow (winds) around the installation area. The more tack time allowed the less chance of creating bubbles, wrinkles, or carpet distortions. Tack times will vary from 5-15 minutes. Do not cover more surface area than can be effectively worked.
  - b. The contact method should be used when installing stiff backed unitaries or urethane cushioned backed cellular foams. This method simply involves that immediately after the adhesive has been applied using the correct trowel, the carpet should be laid directly into the wet adhesive. Once the carpet has been laid into the adhesive and flattened out using any flat object (industrial broom) the carpet should then be pulled back out of the adhesive bed and allowed to air dry with both the two adhesive surfaces exposed to the air for at least 5 minutes. The object of this process is to assure the fact that the carpet backing surface is covered completely (100 percent) with at least fifty percent of the applied adhesive. Now that the adhesive has twice the surface area, the drying rate for removal of solvents used to manufacture the adhesive can be released to the air, greatly eliminating any installation bubbles or problems due to the adhesive. Bond strength between carpet, adhesive and sub-floor develops much faster using the Contact Method.
8. Once the carpet has been properly joined to the sub-floor, the entire area should be rolled using a 50-75 lb.

roller for unitaries or action backed carpets and a 35 lb. roller for urethane cellular attached foam backed carpets. The floor covering should be rolled in both E-W, N-S directions to assure proper bond.

9. All carpet seams should be sealed by placing a 1/8 inch head of AAT-125 Seam Sealer (non-flammable) at the interface of the carpet fiber and the primary-secondary backing. The two carpet edges should be butted together to assure even placement and complete seam sealing. The seam sealer can prevent tuft loss, raveling, and even waterproof the carpet seam edges.

10. In the event a bubble should develop, do not ever cut or slit open the raised area or bubble. Most bubbles are caused from solvents left in the adhesive and trapped under the carpet during lay-in. The best way to remove and correct these bubbles is to puncture the bubble with an awl, ice pick, or hypodermic syringe and press the trapped solvent gas vapors out of the bubble by pressing and squeezing the area with both hands. Allow the carpet to lay back into the adhesive and either sand bag or re-roll the area to develop maximum bond strength.

11. If for some reason the bubble does not re-bond adequately, the hypodermic syringe can be used with a small quantity of the AAT-125 Seam Sealer to re-bond the carpet to the floor. After the AAT-125 Sealer has been injected into the bubble, spread the sealer by hand rubbing and then allow it to air dry for 5-10 minutes before rolling.

Should you have any further questions concerning installation or proper adhesives, please give us a call at 800-668-1776.