



## Installation | **Attack**

### **PRODUCT DELIVERY**

1. Verify that packing slip matches with product and order and inspect delivered product thoroughly.
2. Store product and adhesive in clean, dry environment between 65°F and 95°F. Product may be stored in temperatures under 65°F as long as it is installed in a room with working HVAC and has been properly acclimated prior to gluing.
3. Read product and subfloor preparation instructions carefully and completely before beginning any installations.

### **PREPARATION**

#### ***PRODUCT***

Unroll Attack turf and place in area prior to installation; this is to ensure proper acclimation 48 hours prior to installation. Attack should be protected from excessive moisture and other damage prior to applications, during application and while curing.

#### ***JOB SITE CONDITIONS***

1. Installation should not begin until all other trades are completed in the area to receive flooring.
2. If the job requires other trades to work in floored area following installation, flooring should be protected with suitable cover. Ram board beneath ½" plywood works well.
3. Areas to receive turf must be above 32°F for 48 hours before and after (as well as during) installation.
4. When using PLAE Anchor, no moisture testing is required. However, if a moisture test is requested by any specific party, three tests will be required for the first 1,000 sq. feet and one per additional 1,000 sq. feet.

#### ***SUBFLOOR SURFACE***

Attack may be installed over asphalt, concrete, approved patching, and leveling materials (e.g. Ardex K-15), and wood.

**NOTE:** Gypsum-based patching and leveling compounds are not acceptable.

#### ***WOOD SUBFLOOR***

Wood subfloors should be double constructed with a minimum thickness of 1in. The floor must be rigid and free of movement with a minimum of 18in of well-ventilated airspace below. Stagger head seams 3' to 6' from row to row.

**NOTE:** Wood is a suitable subfloor for Attack as long as any finish already present has been sanded to ensure optimal adhesion.



## Installation 2 | **Attack**

### **WOOD UNDERLAYMENTS**

The preferred underlayment panel is the American Plywood Association (APA) underlayment grade plywood with a minimum thickness of 0.25in and a fully sanded face.

**NOTE:** Particleboard, Chipboard, Masonite, and Lauan are not considered to be suitable underlayments.

### **CONCRETE FLOORS**

Concrete shall have a minimum compressive strength of 3000psi. New concrete slabs should cure for a minimum of 28 days before Attack installation. It must be fully cured and permanently dried.

### **SUBFLOOR REQUIREMENTS AND PREP**

#### **GENERAL CONDITIONS**

1. Subfloors shall be dry, clean, smooth, level, and structurally sound. They shall be free of dust, solvent, paint, wax, oil, grease, asphalt, sealers, curing and hardening compounds, alkaline salts, old adhesive residue, and other extraneous materials, according to ASTM F710.
2. Subfloors shall be smooth to prevent irregularities, roughness, or other defects from telegraphing through new flooring. The surface should be flat to the equivalent of 0.125in per 10 sq. feet.
3. Subfloors shall have a proper drainage gradient (2 percent is suggested) to prevent pooling of liquid.
4. Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. **Do not use solvents.** All high spots shall be ground level and low spots filled with an approved Portlandbased cement patching compound.
5. All saw cuts (control joints), cracks, indentations, and other non-moving joints in the concrete must be filled with an approved Portland-based cement patching compound.

**NOTE:** Control joints (saw cuts) can be filled with PLAE Joint Filler.

6. Always allow patching materials to dry thoroughly and install according to the manufacturer's instructions. Excessive moisture in patching material may cause bonding problems or a bubbling reaction with the flooring adhesive.

**NOTE:** This product is not suitable for installation over a radiant heat source.



## Installation 3 | **Attack**

### **INSTALLATION PROCEDURES**

#### **IMPORTANT NOTES**

Do not forcefully move turf when folding/unfolding, and be careful to keep carpet square to the centerline and adjoining turf.

#### **INSTRUCTIONS FOR INSTALLING TURF ROLLS**

Trimming Selvage: Trim the turf face up. You will not be able to follow the stitch rows if you trim or cut face down. When splitting the roll "bloom" the fibers where the cut is needed by running an T-Handle Tool between the stitch rows, once the fibers are "bloomed" then use a Carpet row cutter or a Slide knife to follow the area (between the stitch rows) for an accurate cut to maintain the gauge. For all cut edges of the turf, be sure to use seam sealer (follow package instruction). This is required and prevents any unraveling. Once the selvage is trimmed proceed by:

1. Starting in the middle of the room, snap a chalk line, then butt turf together square at your center line. If your area calls for multiple rolls, lay out remaining rolls on the floor once you have your first 2 rolls set. Be sure to allow the turf to relax into position overnight or for a minimum of 12 hrs.

**NOTE:** Be sure that the pile is running the same direction throughout the turf area prior to gluing material..

2. For any additional cuts needed (hash marks, yard lines, etc.) you can either make your cuts face down or face up depending where the lines are located within the turf roll. If making cuts face down, snap a chalk line on the foam backing and use a straight edge to follow your chalk line for a clean cut. Once the selvage is trimmed, the material is relaxed, and any additional cuts made you are ready to begin gluing the material.

**NOTE:** Be sure to apply adhesive to the substrate using the recommended trowel size on the glue pail.

3. Place weight (anything over 30 pounds every 5-10 feet) starting seven feet off center line in both directions to keep the roll from shifting. Fold back turf at center line and glue down 6' on both sides of center line.

4. Lay flooring into wet adhesive. Be sure to not flop the turf into the wet adhesive to help prevent air from getting trapped and bubbles to form beneath the turf.

**NOTE:** Before laying the second roll into the wet adhesive, be sure to apply seam sealer to prevent any unraveling.

5. Immediately roll the floor with 75lb - 100lb roller to eliminate air traps (overlap each pass of the roller by 50 percent).

6. Weigh all seams to ensure proper bond and transfer from the glue to the foam backing of the turf. Fold back the second half of the roll and repeat steps 3 -6.



## Installation 4 | **Attack**

7. Repeat steps 2-7 with all other rolls.

### ***OUTDOOR INSTALLATION NOTES***

1. Adding turf to concrete will not change the drainage pattern of the concrete.
2. Slope grade should be no less than 0.5 percent and no greater than 0.75 percent.
3. Drainage may occur from center out or from one side of the space to the other side.
4. If an existing drain is present, a hole must be cut into the turf so the drain is exposed.
5. For proper adhesion, concrete and ambient air temperature must remain above 32°F at all times during the installation process, and for 48 hrs both before and after install.