



## Installation | **Stealth – Nebula, Nova, & Obsidian**

### **A. UPON PRODUCT DELIVERY**

1. Verify that packing slip matches 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. Areas to receive flooring (including concrete slabs) should be maintained at a minimum uniform temperature of 65°F for 48 hours before and after (as well as during) installation.

### **B. PREPARATION**

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

1. Installation should not begin until all other trades are completed in 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. Kraft paper and plastic work well.
3. Areas to receive flooring should be weather tight and maintained at a minimum uniform temperature of 65°F for 48 hours before and after (as well as during) installation.

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

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

##### ***1. Wood Subfloors***

Wood subfloors should be double construction 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 headseams 3' to 6' from row to row.

##### ***2. Underlayments***

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

##### ***3. Concrete Floors***

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

### **C. SUBFLOOR REQUIREMENTS AND PREP**

#### ***GENERAL CONDITIONS***

1. Subfloors shall be dry, clean, smooth, level, & structurally sound. They shall be free of dust, solvent, paint, wax, oil, grease, asphalt, sealers, curing & hardening compounds, alkaline salts, old adhesive residue, & other extraneous materials, according to ASTM F710.
2. Subfloors shall be smooth to prevent irregularities, roughness, or other defects from telegraphing through new flooring. Surface should be flat to the equivalent of 0.125in per 10 sq. feet.

3. Subfloors shall have proper drainage gradient (2 percent is suggested) to prevent pooling of liquid.
4. All Achieve rolls must be unrolled and installed in the same direction. Laying rolls in the opposite direction will cause color variations between the rolls. Be sure to stagger the headseam joints 3' to 6' from row to row.

**NOTE: Achieve is manufactured from recycled materials. Slight variances in shade, color chip dispersion and thickness is considered normal. Installers are responsible for inspecting all products to ensure the correct style, thickness and color. Any moderate to severe discrepancies should be reported immediately, before beginning installation. No labor claims will be honored on material installed with visual defects. Verify the delivered material is the correct style, color and amount. Any discrepancies must be reported immediately, before beginning installation.**

## **D. HAZARDS**

### **SILICA WARNING**

Concrete, floor patching compounds, toppings, and leveling compounds can obtain free crystalline silica. Cutting, sawing, grinding, or drilling can produce respirable crystalline silica (particles 1-10 micrometers). Classified by OSHA as an IA carcinogen, respirable silica is known to cause silicosis and other respiratory diseases. Avoid actions that may cause dust to become airborne. Use local or general ventilation or provide protective equipment to reduce exposure to below the applicable exposure limits.

### **ASBESTOS WARNING**

Resilient flooring, backing, lining felt, paint, or asphalt "cutback" adhesive can obtain asbestos fibers. Avoid actions that cause dust to become airborne. Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverize. Regulations may require that the material be tested to determine the asbestos content. Consult the document "Recommended Work Practices for Removal of Existing Floor Coverings" available from the Resilient Floor Covering Institute.

### **LEAD WARNING**

Certain paints may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Refer to applicable federal, state, and local laws, as well as the publication "Lead Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Dept. of Housing and Urban Development."

## **E. INSTALLATION**

1. Nebula and Nova sheets must be placed with the labeled surface upside. The tight, gapless installation should always be executed starting from one wall side. Avoid cross-shaped joints. Cuttings can be done with a common cutter-knife. Nebula and Nova sheets can be dry-laid on subfloor and do not require adhesive. **\*See SECTION E, 1.2**
2. Obsidian (black 2mm material) must be glued to uppermost layer of acoustic sheet using PLAE Anchor adhesive using a 1/8 x 1/8 x 1/16 v-notch trowel.
3. Rubber layers should be glued to Obsidian layer using a 3/32 x 3/32 x 3/32 v-notch trowel. **\*NOTE: Refer to Achieve Installation Instructions for further detail on rubber installation.**
4. Subsequent rubber layers should be glued down using a 3/32 x 3/32 x 3/32 v-notch trowel. **\*NOTE: Refer to Achieve Installation Instructions for further detail on rubber installation.**

## **E. INSTALLATION (cont.)**

### **1.2 - Installation Diagram**

Nebula & Nova sheets must be placed with the labeled surface upside. The tight, gapless installation should always be executed starting from one wall side. Avoid cross-shaped joints. Cuttings can be done with a common cutter knife.

