

### Nattice® and Pathways (w/ coordinating treads)

Please refer to the CBC® Flooring website [www.cbcflooring.com](http://www.cbcflooring.com) for the most current guidance about product application charts, material handling, subfloor preparation and testing, product installation and maintenance recommendations. Failure to follow these instructions may result in installation related problems.

- ◆ Do not install unless you have the correct product, color and quantity of materials. Check for visible damage before installation. Immediately notify CBC Flooring of any discrepancies BEFORE installation. Installation of materials implies acceptance. No credit for labor will be provided for installing the incorrect materials or materials with visible issues.
- ◆ Handle materials with care to prevent damage. DO NOT DOUBLE STACK PALLETS.
- ◆ Store all flooring products and accessories in a dry interior area maintained between 50°F-85°F (10°C-29°C). Avoid temperature extremes.
- ◆ Store resilient sheet flooring rolls standing up, with capped end down. This prevents distortion and compression.
- ◆ Acclimate flooring, adhesive and substrate in the area to be installed to a stable condition between 65°F-85°F (18°C-29°C) and 20%-65% RH for a minimum of 48 hours before, during and after installation. Afterwards, maintain a minimum temperature of 50°F (10°C) for the life of the floor.
- ◆ Refer to [Material Handling & Subfloor Preparation Guide](#) for additional product handling and subfloor preparation guidance.

**Note:** Although Nattice & Pathways do not have a pattern match, the sheets should be installed in the same direction whenever possible. To assist the installer, there are small arrows on the back of the product which show machine direction during manufacturing.

### Dye Lots

- ◆ The installation needs to be planned to control dye lots. The installation of multiple dye lots together implies acceptance of material.
- ◆ Dye lots (or Lots) are printed on each product label. The first 4 digits of the production code represent the dye lot.
- ◆ Check the dye lots on each unit as there may be more than one dye lot on a pallet.
- ◆ When possible, isolate individual dye lots in each room/area.
- ◆ If more than one dye lot is used in the same room, compare flooring materials to see if a color, texture or gloss variation is present.
- ◆ Slight color and gloss variations may be present within a dye lot or between dye lots and are not considered manufacturing defects.

### Adhesive Selection

- ◆ Make sure that you have the recommended adhesive and trowel size for installation conditions. Use only recommended adhesives as others may not provide satisfactory performance.
- ◆ For interior dry area installations, CBC Flooring recommends using CBC 5001 acrylic adhesive.
- ◆ For interior wet or exterior area installations, CBC Flooring recommends using CBC 951 Epoxy adhesive along with Henkel Teroson MS 939NA Edge Sealer or equivalent for all non-clamped or covered edges. See our [Adhesive Reference Chart](#) at the end of this document or call CBC Technical Support for assistance at (919) 230-8700.

## Instructions for the use of CBC® 5001

**CBC 5001 High Performance Flooring adhesive can be used on dry area interior applications when all sheet edges are clamped down or covered over with moldings.**

- ◆ Spread adhesive evenly. Fold the sheets back and comb the adhesive perpendicular to the seam line. This prevents adhesive from contaminating the seam area. Do not allow any puddles or lumps of adhesive.
- ◆ When using **CBC 5001** be sure that trowel notches are as recommended and kept clean. CBC does not recommend re-notching a trowel by hand. Replace the blade or entire trowel as necessary to insure proper coverage.
- ◆ For porous or rough substrates the sheet goods may be placed into adhesive after 10-20 minutes of open time.
- ◆ For smooth and non-porous substrates install sheet goods into adhesive as it becomes dry to the touch, normally 30-45 minutes based on humidity and surface porosity.
- ◆ Work off the flooring to prevent adhesive from oozing, shifting of material, or indentation from adhesive displacement. If you must work on top of the material, use large kneeling boards or 1/2" blue foam insulation.
- ◆ Roll the flooring with a 100 lb. 3-section roller after setting flooring into adhesive.
- ◆ Wait a minimum of 3 hours for foot traffic on installations over adhesive that is wet to touch on porous substrate.
- ◆ For all applications, wait 48 hours for rolling traffic or point loads.

## Installing with CBC 951 2-Part Adhesive

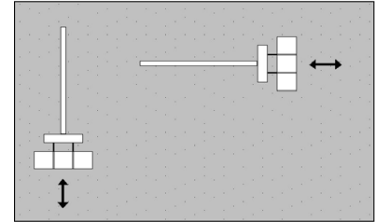
**Reactive epoxy adhesive is recommended for all areas where consistent topical moisture may be encountered. In these areas any sheet edges not clamped down or covered with moldings should be edge sealed with Henkel Teroson MS 939NA or equivalent edge sealer. Consult this products application sheet if this process is required.**

- ◆ Refer to the current label instructions
- ◆ Establish your starting line. Dry lay the sheet flooring without distortions following the line. Curled or distorted Nattice® or Pathways will cause bubbles. Do not dry fit and cut more material than can be adhered during the same day.
- ◆ Cut seams net. Dry cut all seams using the 'double cut' method or other method that will produce a net fit without gap or overlap. Trim a minimum of 1/4 inch (5 mm) from each edge. Before cutting seams, align pattern of material to maintain visual. All sheet flooring must be cut/trimmed and fit prior to mixing the 2-part adhesive. Do not spread more adhesive than can be covered within 40 minutes.  
Note: The subfloor temperature directly affects setting time. The warmer the surface temperature, the faster the adhesive will set. The cooler the temperature, the slower the adhesive will set.
- ◆ Once materials are dry fitted and seams are trimmed, fold back 1/2 of first sheet and apply adhesive. If cuts are manageable, it is possible to fold back and spread adhesive for more than one sheet at a time. Be careful to maintain proper sheet placement and alignment to the starting line.
- ◆ Use the 2-part adhesive following the label instructions. Pay careful attention when mixing to ensure the adhesive is fully mixed with no streaks remaining. Caution: Mixing adhesives on the substrate will cause mixing failure, excessive adhesive application and trapped air bubbles.
- ◆ Immediately apply the 2-part adhesive to the substrate and spread using a 1/32" x 1/16" x 1/32" U-notched trowel or as recommended by the adhesive manufacturer.
- ◆ Comb the adhesive across the width of the sheet so that all the adhesive ridges are straight and running across the width of the material. This helps trapped air to escape during rolling.



- ◆ Adhesive Set up and Working Time:
  - ◆ Set up Time: No waiting time required – Place the sheet flooring immediately into the wet adhesive bed to ensure 100% adhesive transfer to the flooring material.
  - ◆ Working/open time: 40-60 minutes, depending on slab temperature. High temperatures will decrease the working time.
- ◆ Work off the Sheet flooring to prevent adhesive oozing, shifting material, or indentation from adhesive displacement. If you must work on top of the material, use large kneeling boards. Styrofoam insulation boards 1 inch or thicker can be used for kneeling or walking boards.
 

**Indentations made in wet adhesive are permanent and cannot be rolled out!**
- ◆ Roll the sheet flooring three times with a 3-section, 100 lb roller. The first roll should occur immediately after the material has been laid into the adhesive. Roll first across the width of the sheet parallel to the adhesive trowel notches. This will help to remove trapped air beneath the floor. Then roll lengthwise. Roll the material two (2) more times in both directions every 30 minutes.
- ◆ Hand roll seams immediately after placing the sheet into the adhesive.



**Note: Do not exceed the adhesive's working time. Adhesive will 'skim over' and not transfer when working time is exceeded. DO NOT INSTALL FLOORING OR RE-APPLY NEW ADHESIVE OVER HARDENED ADHESIVE. Remove the hardened adhesive from the substrate and start again.**

### Seaming Preparation for Resilient Sheet Flooring Products

- ◆ Although Nattice® and Pathways do not have a pattern match, the sheets should be installed in the same direction whenever possible. To assist the installer, there are small arrows on the back of the product which show machine direction during manufacturing.
- ◆ Use as few seams as possible, make short seams rather than long seams and place seams in low traffic areas.
- ◆ Keep all sheets running the same direction. Avoid seaming floors in areas subjected to heavy rolling traffic, such as under hospital beds, chairs or other areas subjected to rolling loads.
- ◆ Pathways patterns are strip designs, seams in the length blend well. 'Cross seams' are more noticeable. We recommend that estimators avoid cross seams. Reduced labor cost and a cleaner looking installation will usually offset any additional material costs necessary to avoid cross seams.
- ◆ Unroll and cut all sheets at least three inches longer than needed. Dry lay all sheets running the same direction edge to edge and check for any shade, color, texture or height difference. Contact CBC Flooring immediately if discrepancies are found before continuing installation. To help reduce curling after being tightly rolled up, allow the sheet flooring to relax. It may be helpful to re-roll the material face-in or dry lay the sheets flat on the floor overnight. Do not leave materials dry laid or rolled face in for more than 24 hours.
- ◆ All factory edges must be trimmed a minimum of 1/4". Cut seams net. Do not leave a gap at the seam, and do not cut seam so tight that material peaks. The best way to achieve this is the 'double cut' method. Overlap the two sheets about one inch and cut down the center of the overlap with a sharp utility knife. Hold the knife at a right angle to the floor.
- ◆ Fold the sheets back and comb the adhesive perpendicular to the seam line. This prevents adhesive from contaminating the seam area. When placing sheets into adhesive, keep adhesive from penetrating the seam.
- ◆ Adhesive contamination of the seam area will cause seam discoloration and/or failure of the welding.
- ◆ After the sheets are adhered, hand roll the seam area. Roll the entire floor with a 100 lb. 3-section roller.
- ◆ Complete the installation by sealing the seams using the Heat Weld method.

## Heat Weld Instructions

The heat weld method is the strongest of all seam-sealing methods. Only installers who are trained and experienced with this method should attempt heat-welded seams. The installation methods for heat welding CBC® sheet flooring are very similar to that of other products.

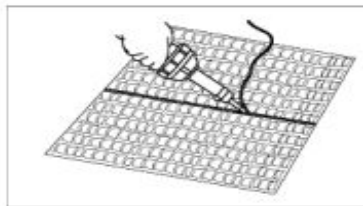
**Note:** Nattice® & Pathways require a 3.5 mm welding thread. Do not use a heat-welding tip larger than 4.0 mm.

**WARNING:** Practice on scrap material before beginning. This will help the installer to become familiar with heat welding CBC sheet flooring. This step is critical for successful heat welding.

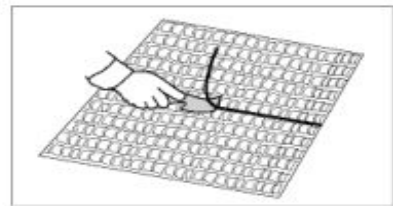
- ◆ Install the flooring, and fit the seams using the ‘double cut’ method. Do not leave a gap at the seam. Fit seam net, but not so tight that the material peaks.
- ◆ Wait at least 24 hours before grooving and heat welding when installing with **CBC 5001** adhesive.
- ◆ Groove or rout the seam to 2/3 the depth of the flooring material using a mechanical or hand groover. Use a **3.5 mm** wide blade for **Nattice & Pathways**. Be sure to center the groove on the seam so that both sides are equally grooved. Do not groove or rout completely through the flooring material.
- ◆ Weld the seam using a hot-air heat-welding gun designed for heat welding resilient flooring. Take care not to stretch the welding thread when applying.
- ◆ Follow the two Part Finishing Process:
  1. Trim the welding thread when “cool to touch” using a trim knife with trim plate attached.
  2. Wait at least 30 minutes for the weld to cool, then trim the remaining welding thread using the trim knife without the trim plate.
- ◆ Wait 48 hours before wet cleaning.



**1. Groove the Seam**



**2. Weld the Seam**



**3. Trim the Weld**

Product, Nominal Size	Metric	Inches	Sq.Yd Roll
<b>Nattice &amp; Pathways 6' x 66'</b>	1820 mm x 20 m	5' 11 3/4" x 65' 8"	44

**When the installation is complete, follow the flooring products appropriate Maintenance Guide.**

# Adhesive Reference

	Product	RH Limit ASTM 2170	Vapor Emission ASTM F1899	pH Limit	Weight (lbs) per Unit	Trowel Size and Usage Notes	Unit Size	Coverage per Unit	Recommended				TOLI®			C.I. TAKIRON								
									Wet or Flood Washed	Extreme Heat or Cold	Heavy Static Load	Custom Designs	Mature® AdVantage	Lightwood®/Kareina Asento®	Homogeneous Vinyl Tile	Nattice® & Pathways (Interior)*	Nattice & Pathways (Exterior)	Tread & Risers (Interior)	Tread & Risers (Exterior)					
Adhesives	CBC® 5001 Acrylic	85%	6 lbs / 24 hours / 1,000 SF	10 pH	40.0	1/16 x 1/16 x 1/16 V-notch	4 Gallon	670-750 SF		◆		◆					P		P					
						1/16 x 1/16 x 1/16 V-notch	4 Gallon	720-800 SF														N		
						1/32 x 1/16 x 1/32 U-notch	4 Gallon	880-1,040 SF					◆		◆		P	P	P					
						1/32 x 1/16 x 1/32 U-notch	4 Gallon	1,200-1,400 SF									N	N	N					
	CBC 951 Epoxy	90%	8 lbs / 24 hours / 1,000 SF		29.0	1/32 x 1/16 x 1/32 U-notch	1 Gallon	175-225 SF	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
Tread Accessories	Opti-Tape 9.5" Width				7.3		1 roll/ctn	165 LF per roll											◆					
	CBC 800 Nose Caulk				1.7	Double Caulking Gun	13.5 oz. Tube	40 LF per tube		◆									◆	◆				

- P = Porous surface
- N = Non-porous surface
- ◆ = Porous & non-porous surface
- \* = Interior wet areas follow exterior instructions