

TOLI MATURE SELECT & TAKIRON WELS SHEET

Please refer to the CBC Flooring website 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) 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) (minimum of 68°F or 20°C for EcoSpray) 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.

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 most installations, CBC Flooring recommends using **CBC 5001** acrylic adhesive. See the Selection Chart below or call CBC Technical Support for assistance at 1-919-230-8700.

	RH Limit	pH Limit	Trowel Size	Unit Size	Coverage per unit	Weight (lbs) per Unit	Mature Select	WELS Sheet	Recommended			
									Wet or Flood Washed	Extreme Heat or Cold	Heavy Static Load	Custom Designs
CBC 5001 Acrylic	85%	10.0 pH	1/32 x 1/16 x 1/32 U-notch	4 Gallon	880-1,040 SF	40.0	P	◆		◆		◆
			1/32 x 1/16 x 1/32 U-notch	4 Gallon	1,200-1,400 SF	40.0	N			◆		◆
EcoSpray U Acrylic	90%	11 pH	N/A	6 cans/ ctn	140-160 SF/Can 840-1,000 SF/Ctn	11.0	◆	◆			◆	◆
Envirostix Pre-Applied Poly Acrylic	96%	11 pH	N/A	N/A	N/A	N/A	◆	◆	◆	◆	◆	◆

Surface: P=Porous N=Non-Porous ◆= Porous & Non-Porous

For Installation with EcoSpray, refer to the individual product EcoSpray Installation Guides available at www.cbcflooring.com. For installation with EnviroSTIX, refer to the adhesive manufacturer's installation instructions.

Manufacturer	Adhesive	Website	Telephone
BaseKing	EnviroSTIX	www.envirostix.org	888-428-3106

Instructions for the use of CBC 5001

CBC 5001 High Performance Flooring adhesive can be used on most applications.

- ◆ 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.
- ◆ Conduct subfloor porosity test as indicated on adhesive bucket label.
- ◆ 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^e.
- ◆ For all applications, wait 48 hours for rolling traffic or point loads.

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.
- ◆ 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.
- ◆ Dry lay different dye lots together for owner approval BEFORE installing.
- ◆ If dye lot differences stand out, keep materials from the different dye lots separate.
- ◆ CBC Flooring wood and stone visual products imitate natural wood and stone materials. Slight color variations may be present within a dye lot and are not considered manufacturing defects.

Seaming Preparation for Resilient Sheet Flooring Products

- ◆ CBC Sheet flooring products have no pattern match in width or length.
- ◆ 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.
- ◆ Because wood patterns are plank designs, seams in the length blend well. 'Cross seams' are more noticeable. We recommend that estimators avoid cross seams whenever possible on all resilient sheet flooring. 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. (The recess scribe method is also acceptable.) 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 the adhesive from penetrating the seam. Adhesive contamination of the seam area will cause seam discoloration and/or failure of the **TOLI Cold Weld**. 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 either the Heat Weld or Cold weld method.

Seam Sealing Methods

Seams - Seal all seams using either the HEAT WELD or the COLD WELD method.

- ◆ HEAT WELDING: For all flooring installed with **CBC 5001**, wait 24 hours before heat welding.
- ◆ HEAT WELDING: For flooring installed with **CBC EcoSpray**, wait one hour after installation before heat welding.
- ◆ HEAT WELDING: For flooring installed with **EnviroSTIX**, you may heat weld immediately.

Cold Weld Instructions (TOLI Mature Select Only)

Note: WELS Sheet cannot be cold welded.

- ◆ One 4.5 oz. tube of **TOLI Cold Weld** covers approximately 225 lineal feet of seam. Wait at least 2 hours after installing with **CBC 5001** is complete before applying **TOLI Cold Weld**. This will prevent wet adhesive from contaminating the seam during Cold Weld application. Contaminated seams can turn yellow or fail during the life of the floor.
Note: Do not Cold Weld flooring installed with 2-Part adhesives. They are not compatible.
- ◆ It is recommended that two installers work together. One will warm the seam slightly with a hot air gun while the other completes the welding. This heating process will allow easier insertion of the applicator into the seam cut.
- ◆ Shake the tube well. The volume of a new tube can be increased slightly by unscrewing the cap one turn and then pressing lightly at the sides above the folded end.
- ◆ Hold the tube upright and away from the body and face. Remove the cap using the small cloth that is provided to catch any escaping fluid.
- ◆ While holding the tube in one hand, place the index finger of the other hand on the nozzle collar. The needle is offset in the collar. Be sure to hold the tube so that the needle is on the TOP.
- ◆ Hold the tube at a 45-degree angle to the floor and insert the needle fully into the seam cut. Make certain it penetrates the entire thickness of the sheet flooring coating both sides of the seam.
- ◆ Practice on scrap material to adjust the flow of sealer before beginning.
- ◆ Draw the needle evenly and slowly along the seam in one movement. Regulate the flow of sealer by exerting very light pressure on the tube. Apply a uniform bead of sealer, 1/8" wide, centered on the seam cut.
- ◆ Leave the sealer bead on the surface. Do not attempt to wipe away the sealer. This bead has a higher initial gloss level than the flooring, but will blend in once recommended maintenance program begins. Any swellings in the seam will disappear as the sealer begins to harden.
- ◆ The seam can be walked on in approximately 2 hours. Keep rolling traffic off for 24 hours.

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:

- ◆ **TOLI Mature Select** uses a **3.5 mm.** welding thread. Do not use a heat-welding tip larger than 4.0 mm.
- ◆ **WELS Sheet** uses a **4.0 mm** welding thread. Do not use a heat-welding tip larger than 4.0 mm.
- ◆ **Use of a 5.0 mm tip will result in seam failure and floor damage.**

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. Heat weld the same day with EcoSpray or Envirostix.
- ◆ 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 **TOLI Mature Select** flooring. Use a **4.0 mm** wide blade for **WELS Sheet**. 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 Three 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.
 3. Apply a 'glaze' to the surface of the finished weld. Remove the tip from the welding gun. Hold the gun approximately 6 inches above the seam and apply hot air on the weld until the surface becomes slightly glossy. The glazed seam will be smoother, less porous, and less noticeable.
- ◆ Sweep and lightly damp mop as needed. Wait 48 hours before wet cleaning.

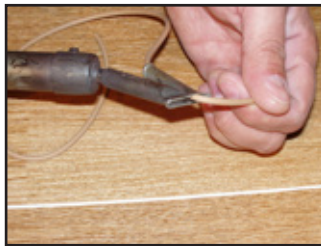


Figure 1

3.5 mm welding thread in 4.0 mm tip



Figure 2

Hand groover grooving seam without going completely through the product

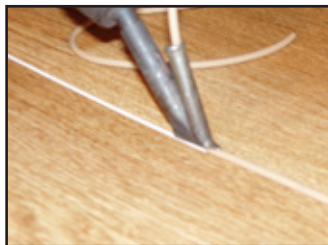


Figure 3

Take care not to stretch welding thread when applying



Figure 4

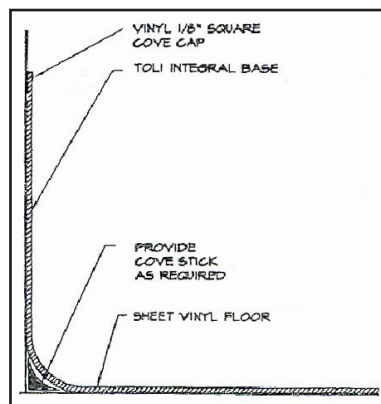
Standard tools needed for Heat Welding

Flash Cove Installation

Flash coving is an extension of the resilient sheet flooring up the vertical wall surface to form an integral wall base. CBC resilient sheet flooring may be flash coved up a wall to any desired height. 4 or 6-inch heights are customary. Adhere cove stick to the intersection of the floor and wall. Adhere cove cap molding to the wall where the flooring will end. Use **CBC 5001** adhesive. Apply a thin coat of adhesive on the wall using a notched trowel or a stiff brush, or both. Allow the adhesive to completely 'tack up' and turn clear before adhering. This should take about 30-45 minutes, depending on porosity of the wall.

Note: Do not adhere sheet flooring to vinyl wall covering or other materials not compatible with acrylic floor adhesives. Remove the vinyl wall covering before proceeding.

After setting the flooring into the adhesive, use a hand roller to make sure the material is in contact with the adhesive. Seams on the inside and outside corners of flash coved installations should be sealed using the heat weld method. The cold weld method is not recommended. For more detailed information on flash coving, please contact CBC Flooring Technical Support for assistance at 1-919-230-8700.



Transition Strip

- ◆ For installations where products of different thicknesses will meet. The transition strip is an easy way to bridge the height difference between the two products.
- ◆ To install the Transition strip, install either the tile or the resilient sheet flooring first.
- ◆ Leave a clean, straight edge where the transition will be installed.
- ◆ Lay the transition strip into the adhesive, fitting tightly to the flooring's edge.
- ◆ Roll with a hand roller.
- ◆ Allow the adhesive to set.
- ◆ The other flooring material can then be cut and adhered to fit tightly to the adhered transition strip.

Transition Strip: 36" Length available only in color # 3 - Medium Grey

.080" (2.0 mm)



1/8" (3.0 mm)

5mm (approximately 3/16" or .2" wide)

Product, Nominal Size	Metric	Inches	Sq.Yd Roll
Mature Select 6' x 66'	1820 mm x 20 m	5' 11 3/4" x 65' 8"	44
WELS Sheet 6' x 66'	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.

Contact Information

For additional information, please call 919-230-8700

Email: technical@cbcflooring.com

www.cbcflooring.com