



# Specialty Residential Sheet Flooring Installations and Troubleshooting / Repairs

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## SPECIALTY INSTALLATIONS

### **RADIANT HEAT FLOORS**

IVC CUSHIONBACK FLOORS may be installed over radiant heating floors, provided the operating temperature does not exceed 85°F at any point in the floor. The Radiant Heat Floor manufacturer must specify that they approve the use of their product with resilient vinyl flooring applications.

*Note: During installation, lower the radiant heat floor temperature to the acceptable 65°F. This temperature should be maintained for at least 24 hours before, during, and 48 hours after completion of the installation. On ground floors, the radiant system should have a proper moisture barrier beneath it. Concrete should be tested for moisture using approved methods before the IVC CUSHIONBACK FLOOR is installed.*

### **THREE SEASON PORCHES**

IVC CUSHIONBACK FLOORS may be installed in three season porches provided the room temperature is at an acceptable 65°F and does not exceed 85°F **during installation.**

*Note: This temperature should be maintained for at least 24 hours before, during, and 48 hours after completion of installation. The proper moisture barrier should be in place. Concrete should be tested for moisture using approved methods before the IVC CUSHIONBACK FLOOR is installed.*

### **FLASH COVE**

Place double-face tape 1/2" under the end cap, and at inside and outside corners. Roll Flex-Tech pressure sensitive releasable adhesive up the wall to the double face tape, allow adhesive to flash (remaining wet / tacky for a permanent installation), remove the paper off the tape, and slide the material into the end cap as you stick the material to the tape.

### **STEPS**

Pre-cut each step and riser. Apply iGrip permanent adhesive on step and riser flooring piece with 3/8" short nap paint roller. Adhesive is aggressive and will permanently bond material to step. Carefully place the material on the step and rub smooth with your hand while adhesive is wet. Use a stair nose to finish off the front edge of the step. Use strip of acrylic double-faced tape on riser under stair nose.

## TROUBLESHOOT / REPAIRS

### **SEAMS**

#### **Problem: PEAKS / LEDGING**

**Solution:** Place acrylic double-face tape in front of the edge of the seam that is too high. Then lay the edge that is low onto the tape. This will bring the seam edges to the same height.

#### **Problem: GAPS**

**Solution:** Providing the seam has been double-cut, lift the fill piece and move over to close the gap. Re-seal the edges with IVC FLEX-SEAM premium seam bond.

#### **Problem: BUBBLES at SEAMS**

**Solution:** The seam is too tight. Slightly trim to relieve the pressure and flatten the seam. Re-seal the edges with IVC FLEX-SEAM premium seam bond.



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## **BUBBLES**

### **Problem: BUBBLES due to WET LAY INSTALLATION**

Cause: Material was installed over wet pressure sensitive releasable adhesive.

**Solution:** Pull back material and allow adhesive to dry completely. After adhesive is dry, lay material back in place and use the broom method for removing air pockets.

*Note: If material can't be pulled back because the adhesive has formed a permanent bond, or if the bubble is in an area that can't be reached, use a hypodermic needle to extract the air out of the bubble. Then set a heavy weight on the bubble for a minimum of four hours.*

### **Problem: BUBBLES due to TWISTING**

Cause: If the material is twisted it will cause a bubble that is at an angle.

**Solution:** Pull material back to the bubble and move it left or right, depending on the direction the material is twisted. When material is straight and lays flat, use the broom method for removing air pockets.

*Note: This type of bubble will occur at a doorjamb where the material went from one room to another, at the corner of a cabinet or island, or sometimes in the middle of a room. The angle of the bubble will help you determine which way the material was twisted.*

### **Problem: BUBBLES due to TRAPPED AIR**

Cause: Air was not thoroughly removed from beneath the material.

**Solution:** Pull back material past the bubble, lay back material and use the broom method for removing air pockets.

### **Problem: BUBBLES due to HIGH MOISTURE CONTENT or LEAKS**

Cause: Moisture is trapped under the floor.

**Solution:** Pull back material and allow moisture to evaporate. Re-apply Flex-Tech pressure sensitive releasable adhesive in areas that were wet, and allow to completely dry. Then lay back material and use the broom method for removing air pockets.

*Note: If the bubbles were caused by high moisture content, a Calcium Chloride Test should have been performed prior to installation. If the bubbles were caused by a water leak, the leak should be repaired immediately.*

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## **BUCKLES**

### **Problem: BUCKLES ALONG WALLS or CABINETS**

Cause: If material is too tight due to the lack of an expansion gap, it will buckle along walls or cabinets.

**Solution:** Material must be cut back 1/8" from walls and cabinets, allowing it to lay flat.

### **Problem: BUCKLES at DOORJAMBS**

Cause: If doorjamb are not undercut it will cause a buckle at the doorjamb.

**Solution:** Material must be cut back 1/8" from doorjamb, allowing it to lay flat.

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## **WRINKLES**

### **Problem: WRINKLES due to MOVING HEAVY OBJECTS**

Cause: When the loose-lay method is used, rolling chairs, microwave stands, appliances or heavy furniture on the material could cause wrinkles.

**Solution:** Fold back material and apply double-face tape in an "X" under wrinkles.

**OR**

Use the full spread method professional installation using Flex-Tech releasable adhesive and re-install the vinyl.



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**Problem: WRINKLES due to PERIMETER ADHESIVE APPLICATION**

Cause: If adhesive is applied around the perimeter of a room only, wrinkles may result.

Solution: Use the full spread method professional installation using Flex-Tech releasable adhesive and re-install the vinyl according to IVC installation guidelines.

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## **TRANSFERRING**

**Problem: TRANSFERRING / TELEGRAPHING**

Cause: If material is installed over an existing resilient floor and laid into wet adhesive, the pattern underneath may transfer / telegraph through.

**Solution:** Pull back material and allow adhesive to dry. Lay material back in place and use the broom method for removing air pockets. If existing vinyl is deeply embossed, it should be filled with a cementitious patching compound and allowed to dry thoroughly before replacing vinyl.

*Note: IVC is not responsible for material and / or installations laid into wet adhesive.*

## **STAINS**

**Problem: STUBBORN STAINS**

Cause: Recommended cleaners and solvents will not remove stains that have penetrated the floor.

**Solution:** Soak a WHITE towel in a chlorine bleach solution of 1 part water and 1 part bleach. Place the wet towel on the stain and allow it to work for 24 hours.

*Note: DO NOT USE A COLORED TOWEL when treating tough stains using the dilute bleach method. The bleach will pull the dye out of the colored towel and may stain the floor.*

## **REPAIRS**

**Note: All reference below to repairs is based upon the vinyl being installed using the full-spread professional method with Flex-Tech pressure sensitive releasable adhesive.**

**GOUGES:** Heat the gouge so it will lay flat, then lift one edge and apply seam sealer to the edge of the gouge and work the edges together with a utility knife. Roll the gouge with a hand roller, wipe off excess sealer with a damp cloth and dry with a dry cloth.

**PATCHES:** Find the pattern match you need, using a grout line if possible. Lay material to be used for the patch on top of the damaged piece and align the pattern, using double-face tape to prevent the patch from moving. Double-cut through both thicknesses using a sharp utility knife. Remove the damaged piece, apply seam sealer along the edge of patch and set in place. Roll with a hand roller, wipe off excess sealer with a damp cloth and dry with a dry cloth.

**PLUGS:** If you do not have the pattern or enough material for a patch you can make a plug. Using a piece of material with colors similar to those in the area you are repairing, place a small piece of double-face tape on the damaged area and set your repair piece on top of the tape to hold it in place. Use a utility knife to double cut the plug in the shape of a square or triangle that is three inches larger than the area you are repairing. Remove the damaged piece, apply seam sealer along the edge of the plug and set in place. Roll with a hand roller, wipe off excess sealer with a damp cloth and dry with a dry cloth.

**Contact IVC US Technical Services at 888-225-8287 with any questions or visit [www.ivcgroup.us](http://www.ivcgroup.us).**