



Commercial Installation Guideline

Page 1 of 4

IVC US recommends the following guidelines for preparation and installation of all IVC US commercial products. Please contact IVC US Technical Services at 888-225-8287 with any questions or visit www.ivcgroup.us.

Section 1: Installation Preparation

Handling procedures: The job site and all flooring material and adhesive must be kept between 65°F and 85°F for 48 hours before, during, and after installation.

PLEASE NOTE: If removal of existing resilient floor covering is required, follow all recommended Resilient Covering Flooring Institute (RFCI) work practices at www.rfci.com.

Acceptable Substrates

Wood underlayment: Wood underlayment panels must be American Plywood Association (APA) rated underlayment grade as specified and warranted by the manufacturer. All wood subfloors require a double layer constructionⁱ.

Concrete: See Grade Levels

Gypsum concrete: Seal gypsum concrete with FLEX-PRIM Acrylic Latex Primer prior to applying floor patch and adhesive to stabilize the surface for adhesive bondⁱⁱ.

Grade Levels

Suspended: An acceptable suspended floor is a concrete or wood substrate with a minimum of 18" (460mm) of well-ventilated air space beneath it. IVC US recommends that a moisture vapor barrier be placed on the ground below the air space.

On-Grade: An acceptable on-grade floor is a concrete substrate in direct surface contact with the ground at the surrounding ground level. The concrete slab should be protected from moisture penetration and incorporate a proven moisture vapor barrier.

Below-Grade: An acceptable below-grade floor is a concrete substrate partially or completely in contact with the ground below the average surrounding ground level. The concrete slab should be protected from moisture penetration and incorporate a proven moisture vapor barrier.

Acceptable surfaces

- VCT (well bonded on or above grade only – in the absence of waxes or sealers)
- Ceramic (well bonded & properly prepared)
- Terrazzo (well bonded & properly prepared)
- Self-leveling and patching compounds (Portland cement based only)
- Resilient floor (no more than 1 layer, well bonded, non-cushioned)
- Radiant heat floors (not exceeding 85°F)

Unacceptable Surfacesⁱⁱⁱ

- Inter-flex and any perimeter bonded products
- Soft-back vinyl
- Cork
- Carpet
- Any floating floor system
- Resilient tile installed below grade



Commercial Installation Guideline

Concrete Testing

Moisture Testing: It is the responsibility of the flooring contractor and the installer to confirm all concrete substrates, both old and new, for moisture transmission using the Calcium Chloride Moisture Test according to ASTM F-1869. Moisture vapor transmission should not exceed the recommended levels of 8 lbs. or less per 1,000 sq. ft. in 24 hours. This test should be performed and documented prior to installation. A second testing option determines relative humidity in concrete floor slabs using In-Situ Probes, which should be less than 90% RH per ASTM F-2170 before, during and after installation. These acceptable moisture readings are only applicable when using iGrip adhesive.

PH LEVELS: PH must be between 5 and 9

Floor Preparation

- Remove all foreign substances such as wax, grease, dirt and any substance or chemical that could interfere with a good bond.
- Fill all holes and cracks with a latex fortified Portland cement based patching compound. **IVC US only recommends use of latex fortified Portland cement based products as a satisfactory patching or leveling compound.**
- IVC US recommends priming the floor with FLEX-PRIM Acrylic Latex Primer to prevent over absorption of adhesives, contain dust, and to insure a better bond of adhesive to the subfloor.
- Inspect all material prior to installation. Report any defects to the location where the flooring was purchased^{iv}.

Recommended adhesive and seam sealer



iGrip Adhesive



infuze seam sealer



FLEX-PRIM Acrylic Latex Primer

	Trowel Specifications	
Application	Spread Rate	Type of installation
1/16"x 1/32" x 1/32" U Trowel 1.6mm x 0.8mm x 0.8mm U	Up to 350 sq. ft./gal Up to 8.6 sq. meters/liter	Porous Substrate
1/16" x 1/32" x 5/64" U trowel 1.6mm x 0.8mm x 2mm U	Up to 400 sq. ft./gal Up to 8.9 sq. meters/liter	Non-Porous Substrate
	Trowel dimensions are width x depth x spacing.	



Commercial Installation Guideline

Page 3 of 4

Section 2: Installation

*Full-spread is the required installation method for all IVC US commercial products.

Full-Spread Installation

1. Align the pattern with the most dominant wall, and using a sharp utility knife trim away excess material along the walls, cabinet and other permanent objects, leaving approximately 2" of material to be trimmed off later.
2. Make relief cuts at corners to allow the material to lay flat before the final cuts are made. Final trimming should be done by cutting in with a utility knife, leaving a 1/8" to 1/4" expansion gap. **Ensure material does not touch the walls or corners at any point.**
3. Fold back half of the material and apply iGrip Adhesive to the substrate using the appropriate trowel. If a seam is required, leave an 18" dry zone at the edge of the seam. Then follow the seaming section.
4. **Do not immediately place the material into wet adhesive.** To avoid bubbling, allow time for the adhesive to flash before positioning the material. There will be a slight transfer of adhesive to the skin when it's ready for installation. Do not allow the adhesive to dry completely.
5. Slide the material in place and remove air and vapors under the material using a 75 lb. roller over the entire adhered vinyl.
6. Repeat steps 3-5 for the remaining half of the flooring material.

Seaming

1. After positioning the flooring, over-lap the seam edges.
2. Place a 4"-5" wide scrap of the vinyl between the substrate and vinyl, under the seam area.
3. Double cut through the two layers of vinyl, creating a compression fit when the seam edges are joined.
4. Fold back both sides of the seam area and apply the iGrip Adhesive to the dry zone. Allow the adhesive to flash before placing the material into the adhesive.
5. Place one side of vinyl into the adhesive and roll the seam using a 75 lb roller.
6. Apply 1/8" bead of infuze seam sealer along the edge of the installed vinyl.*
7. Place the edge of the uninstalled vinyl against the edge of the installed vinyl and press into place.
8. Wipe the seam area using a clean dry cloth followed immediately with a clean cloth dampened with mineral spirits.
9. Using a clean cloth, remove the mineral spirit from the surface of the vinyl and protect the seam for six hours.

**Heat weld seams do not require infuze seam sealer.*

Heat Weld Seams

- Cut in all seams and allow all material to cure for at least 12 hours before applying the heat weld.
- Follow the equipment manufactures' instructions for heat welding the seams, ensuring the temperature does not exceed 550°F.
- Use a grooving tool to remove 75 percent of the vinyl.
- Do not allow any traffic on the seam for approximately one hour.

Radiant Heat Floors

IVC US commercial products may be installed over radiant heating floors, provided the operating temperature does not exceed 85°F.

Contact IVC US Technical Services at 888-225-8287 with any questions or visit www.ivcgroup.us.



Commercial Installation Guideline

Page 4 of 4

ⁱ Any failure of the underlayment or flooring due to the underlayment is NOT the responsibility of IVC US. IVC US does not recommend installing resilient flooring over wood flooring or wood subfloors applied directly over concrete or sleeper–construction subfloors.

ⁱⁱ All conditions associated with gypsum concrete, including but not limited to cracking, crumbling, powdering and moisture, that result in bond failure are NOT warranted by IVC US.

ⁱⁱⁱ **IVC US** will not warrant or accept responsibility of any kind for flooring failures related to the use of unacceptable substrates & surfaces.

^{iv} The installer is responsible for labor costs to repair or replace material with defects that were apparent before the start of the installation.