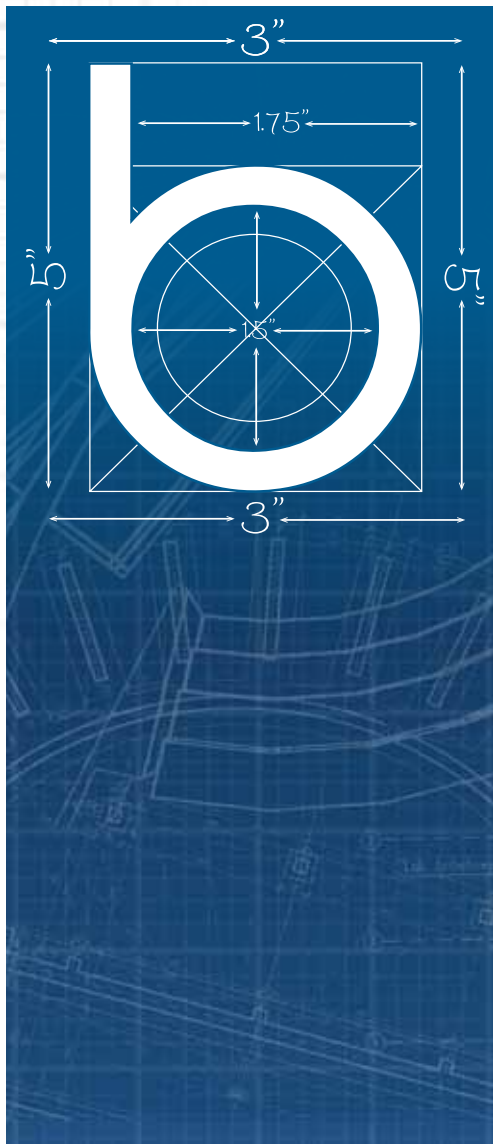


blueprint
commercial flooring

Creating your success
with commercial flooring... **ivc**us

Contents



IVC's Road to the Top p. 2

Built for Performance p. 5

Blueprint Commercial Flooring p. 7

Woods p. 8

Stained Concrete & Tiles p. 9

Granite p. 10

Weld Rod Colors p. 11

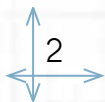
Specifications p. 13

Commercial Installation Guidelines

Preparation p. 15

Installation p. 16

Warranty p. 18



IVC's Road to the Top

IVC Group was founded in 1997 in Avelgem, Belgium with the goal of rapidly becoming an independent player in the resilient flooring market. Today, IVC is the number one flooring manufacturer in Western Europe and a worldwide leader in the vinyl floor-covering industry.



Made in the USA

In 2004, IVC US was incorporated to service the United States and North American markets, and in 2011 IVC US built one of the industry's most modern and efficient manufacturing facilities in Dalton, GA. This state-of-the-art plant features the longest vinyl sheet line in the world along with the most advanced equipment and machinery available. The \$75 million investment yielded a 520,000 sq. ft. sheet vinyl plant and created 150 new jobs.



Leading the way with innovation

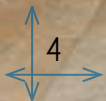
Unlike our competitors, we focus all of our resources on developing the best vinyl flooring in the industry. IVC was one of the first companies to successfully manufacture luxury sheet vinyl with a fiberglass core, and we continue to deliver a product that is unmatched by any other.

IVC continuously strives to improve technology and deliver dynamic solutions for our customers' ever changing needs. From residential to commercial applications, IVC products are designed to be both beautiful and functional.

Green by Design

Our motto is *Never Take Anything for Granted*, and we apply this philosophy to every aspect of our organization. For IVC, this means never losing sight of our commitment to employees, customers and the community. One way we achieve this goal is by implementing green practices that will improve the environmental sustainability of our manufacturing processes and products. Not only have we invested in the largest vinyl manufacturing line in the world, but we have also ensured that our production facility is one of the most energy efficient operations of its kind.





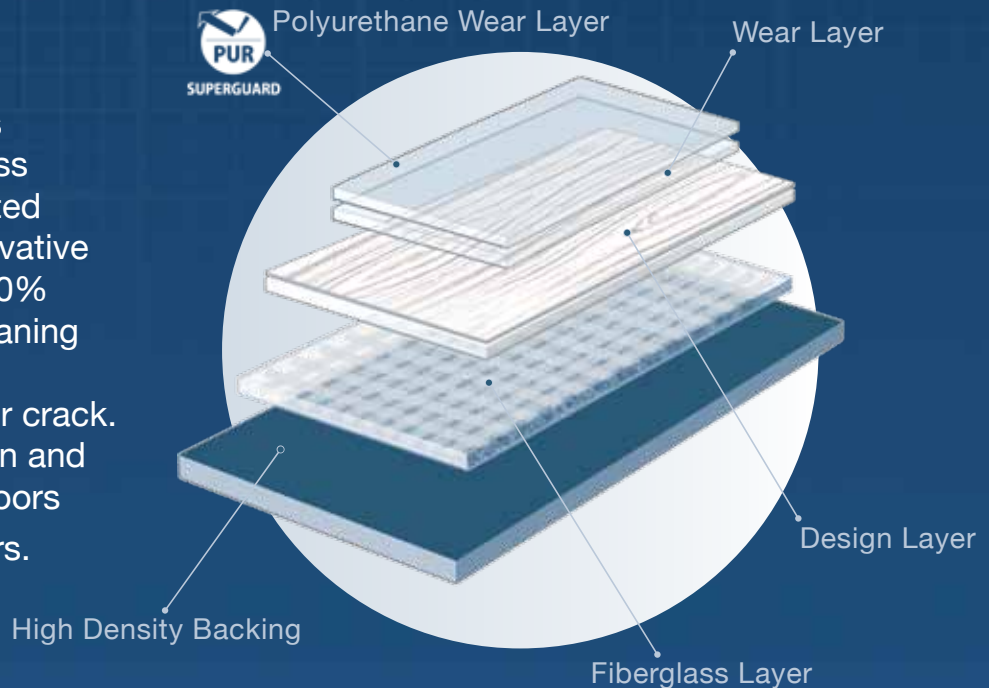
Built for Performance

Heterogeneous sheet vinyl offers more design flexibility, is easier to install while offering all the performance features required for a wide range of commercial applications.

Blueprint's composition inhibits growth of bacteria and mildew, provides slip resistance features and is comfortable underfoot. Additionally, Blueprint reduces impact and sound transmission, plus serves as a strong thermal insulator. Best of all, Blueprint is easy to clean and maintain.

Construction

At its core, Blueprint has a highly resilient fiberglass base, double encapsulated by PVC layers. This innovative construction ensures 100% dimensional stability meaning that our product will not contract, expand, curl, or crack. The wear layer adds stain and scuff resistant to keep floors looking beautiful for years.





Blueprint Commercial Flooring

Our research and design team closely tracked the trends of mainstreet commercial flooring to create Blueprint, a well-rounded collection of 22 SKUs. This collection was created to meet the needs of the diverse mainstreet commercial market, and provide a product that excels in quality without compromising style. With designs ranging from hardwood, tile, granite and stained concrete, this collection is sure to impress even the most critical customer.

Blueprint commercial flooring is manufactured in 13'2" wide rolls, which allow for less seams and, therefore, easier installation. Recommended commercial applications include healthcare, corporate, education, hospitality, multi-family housing and retail.

Multiple Applications



HEALTHCARE



CORPORATE



RETAIL



MULTI-FAMILY HOUSING



HOSPITALITY



EDUCATION



Toronto 548



Previa 583



Woods



Vintage Oak 746
WR 445



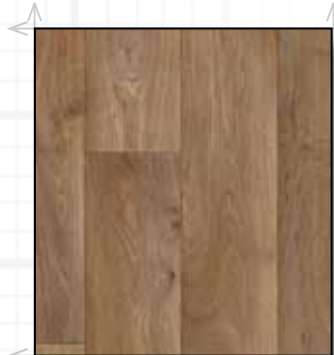
Vintage Oak 748
WR 447



Nobelese 753
WR 446



Nobelese 745
WR 445



Toronto 537
WR 446



Toronto 550
WR 447



Toronto 589
WR 447



Koala 748
WR 447



Spotted Gum 752
WR 455



Spotted Gum 718
WR 445



Stained Concrete & Tiles



Previa 508
WR 432



Previa 544
WR 492



Previa 564
WR 446



Previa 583
WR 447



Challenger 904 • WR 441



Flafstaff 993 • WR 496



Previa 544

Granite



Modus 509
WR 441



Modus 573
WR 491



Modus 531
WR 432



Modus 585
WR 432



Modus 589
WR 448



Modus 586
WR 443



Modus 573

10



Modus 531

Weld Rod Colors



WR 491	
WR 448	
WR 496	
WR 492	
WR 432	
WR 443	
WR 455	
WR 446	
WR 445	
WR 447	
WR 441	





Specifications



Product Usage

Construction
Recommended Usage
Total Thickness
Wear Layer Thickness
Wear Layer Treatment
Backing

Heterogeneous Sheet Flooring
ASTM 1303 - Type 1, Grade 1
80 Gauge
25 mils
SuperGuard
HD Mechanical Backing

Size & Packaging

Width
Standard Length
Average Weight of Standard Roll

13'2"
65'
484 lbs

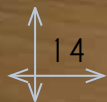
Technical Information

ASTM E662- Smoke Density
ASTM C1028 - COF Slip Resistance
ASTM F1914 - Residual Indentation
ASTM 137 - Flexibility
ASTM E648 - Flooring Radiant Panel
ASTM F970 - Static Load Limit
ASTM F2199 - Dimensional Stability with Heat
ASTM F1514 - Resistance to Heat
ASTM F1515 - Resistance to Light
ASTM F925 - Resistance to Chemicals
ASTM E492 - IIC Sound Transmission
ASTM D6962 - Castor Chair Resistance
Electrical Resistance EN 1815
Heat Weld Seaming

<450
0.73
.004
6 mm Passes
Class 1
750 psi
0.4%
Passes
Passes
Very Good
IIC 57
Excellent
≤ 2 kv
IVC Commercial Solid Weld Rods

For complete warranty and technical information go to www.ivcgroup.us.





Commercial Installation Guidelines



IVC US recommends the following guidelines for preparation and installation of all IVC US commercial products using permanent bond pressure sensitive adhesive.

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 construction¹.

Concrete: See Grade Levels

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 Surfaces

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



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 any porous floors 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 / underlayment.
- Inspect all material prior to installation. Report any defects to the location where the flooring was purchased⁹.

Recommended Adhesive, Seam Sealer & Primer

iGrip Permanent Adhesive • infuze Seam Sealer • FLEX-PRIM Acrylic Latex Primer

Installation

**Full-spread is the required installation method for all IVC US commercial and light commercial installations.*

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 (rough cut) 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 does not require a 1/8" to 1/4" expansion gap when using iGrip adhesive. This is a permanent installation.
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 denatured alcohol.
9. Using a clean cloth, repeat until all residue is removed from the surface of the vinyl and protect the seam for six hours.

Radiant Heat Floors

IVC US commercial products may be installed over radiant heating floors, provided the operating temperature does not exceed 85°F. The radiant heat floor manufacturer must specify that they approve the use of their product with resilient vinyl flooring applications.

Recommended Adhesives

For optimum performance we recommend the use of iGrip permanent adhesive for the installation of Blueprint commercial flooring. iGrip is a resin based, cross-linking pressure sensitive adhesive that has aggressive peel and shear strength. It is solvent-free, non-flammable, and contains anti-microbial agents that protect from fungal growth and is GREENGUARD certified. (Commercial applications)

If heat welding is not required then infuze seam adhesive is recommended. Infuze seam adhesive is a solvent free sealer designed for seaming fiberglass sheet goods for all installation methods. infuze is easy to use, saving time and money on installation. It does not contain any toxic chemicals and the tube can be resealed for later use.







We also recommend Flex-Prim as a subfloor primer. Flex-Prim is an acrylic latex solution made for use as a primer coat on concrete, plywood, floor patch, acoustical concrete and other porous surfaces to prevent over absorption of adhesives, contain dust and to insure a better bond of the adhesive to the subfloor. It is also designed to neutralize excess alkali.

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

Warranty - 10 Year Limited Commercial

IVC US warrants that first quality purchases of Blueprint will perform properly for the stated warranty period when installed in accordance with the IVC US Commercial Installation instructions over approved substrates, using recommended adhesives and seam sealers. The warranty period, when valid, begins on the date of the original purchase by the end user. IVC does not warrant installer workmanship.

This warranty is only valid for commercial use. The intended applications include the areas indicated below. Applications considered “industrial” do not qualify.

 <p>HEALTHCARE</p>	<p>Hospitals, Med Clinics, Retirement Centers, Dr. Offices, Hospice, Assisted Living</p>	<p>All Non-required “Clean Room” Areas - Corridors, Patient Rooms, Elevators, Lobby, Waiting Rooms, Cafeterias, Exam Rooms, Common Areas</p>
 <p>CORPORATE</p>	<p>Offices, Banks</p>	<p>Offices, Elevators, Hallways, Lobby, Reception Areas, Bathrooms, Break Rooms, Conference Rooms</p>
 <p>RETAIL</p>	<p>Main street, Boutiques, Chain Retail Stores, Grocery Stores</p>	<p>Dressing Rooms, Restrooms, Entire Store</p>
 <p>MULTI-FAMILY HOUSING</p>	<p>Apartments, Condos, Military Housing</p>	<p>Any Room in these segments will be suitable.</p>
 <p>HOSPITALITY</p>	<p>Hotel, Motel, Restaurants, Fast Food, Theme Parks,</p>	<p>Guest Rooms, Lobby, Restrooms, Hallways, Changing Rooms</p>
 <p>EDUCATION</p>	<p>Day Care, Pre School, Elementary and Secondary Learning, Universities, Libraries</p>	<p>Corridors, Dorms, Common Areas, Cafeterias, Class Rooms, Auditoriums, Libraries, Restrooms</p>



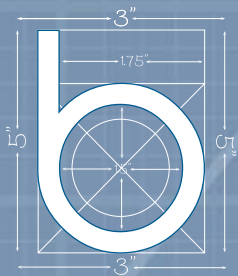
Toronto 537

For the period of the warranty, your Blueprint flooring will not:

- Contain manufacturing defects
- Contract, expand, curl, crack, rip, tear or gouge from normal use with proper installation
- Discolor from moisture
- Be affected by mold, mildew and/or alkaline when properly installed according to the IVC Commercial Installation Guidelines
- Permanently stain from common cleaning products excluding bleaching or ammonia products on your IVC Blueprint vinyl floor.
- Permanently stain from foot traffic
- Permanently scuff from shoe soles
- Wear through the wear layer under normal conditions with proper maintenance

IVC US warrants the installation integrity for the period of the warranty from the date of purchase. Installation integrity means that the product is installed according to the IVC US Commercial Installation Guideline. The IVC US Commercial Installation Guidelines are reviewed on a regular basis. All IVC US Blueprint commercial floors require installation practices according to the recommendations that are current and available at the time of installation.

For complete warranty and installation information please visit www.ivcgroup.us.



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