



Installation

Commercial & Residential

There are three (3) basic requirements necessary to assure a long lasting, attractive Centiva® floor:

1. Proper Subfloor Preparation
2. Installation
3. Adhesives

These guidelines when followed will ensure complete satisfaction with your installation.

1.0 SUBFLOOR PREPARATION

1.1 Testing

Calcium Chloride Test

A calcium chloride test (moisture test) following ASTM F 1869-04 procedures is essential on all concrete floors. This test should be performed in several areas: the perimeter of the room, at columns, and wherever else moisture might occur. The moisture level from the concrete should not exceed 5.0 lbs. /1000 sq. ft. in a 24 hour time period. If the concrete exceeds the moisture limitations, the installation should not proceed until the problem is corrected. A moisture problem can be corrected by sealing the concrete with any of the many brands of concrete sealers available. After the sealer has been applied, always retest to ensure that the problem has been corrected. A moisture test indicates the conditions at the time of testing only. The flooring contractor cannot be held responsible if the moisture appears in the future causing adhesive failure. A new concrete floor contains a high percentage of moisture; therefore, it must be allowed adequate drying time. This drying time normally requires 28 to 30 days, but it can vary depending on several conditions such as the type of concrete used, average air temperature, and the thickness or location of the slab.

PH Test

Ph levels are important. A concrete slab should have a ph level not to exceed 9.0 before, during, and after installation.

1.2 Preparation New Floors

Underlayment panels can be used to correct deficiencies in the subfloor and to provide a smooth, sound surface for Centiva tiles and planks. There are numerous suitable underlayment panels such as Structurwood, Multiply, and Masonite brand underlayments. The most common of these is 1/4" APA underlayment grade plywood. Particleboard, strand board and flake board are NOT RFCI recommended underlayments; therefore, they are not recommended as a subfloor for Centiva tiles and planks.

Always fasten underlayment panels in accordance with the manufacturer's recommendations because any failure of the underlayment or Centiva flooring as a result of the underlayment is the responsibility of the underlayment manufacturer and installer. Suitable underlayment with a fully sanded surface and a minimum thickness of 1/4" is preferred. Always make sure that the subfloor is free of any foreign material such as dust, grease, oil, polish, and loose material that may cause staining, telegraphing, or adhesive failure.

Concrete subfloors are acceptable as long as the concrete's moisture content is within the specified parameters.

A Portland based patching compound or leveler should be used to cover seams, cracks, indentations, and subfloor irregularities. Calcium sulfate/plaster/gypsum based compounds are NOT recommended as they may harbor and promote mildew growth, offer poor bond and adhesion strength, and/or have low indentation resistance.

1.3 Preparation Existing Floors

Asbestos

Centiva vinyl tile or planks contain no asbestos fibers. When removing existing resilient floor coverings, carefully observe the following warning:

Existing resilient floor coverings and black asphalt adhesive may contain asbestos. Improper procedures used to remove these products could release asbestos fibers into the air. Asbestos fibers, if inhaled, may cause serious bodily harm. Do not sand or dry scrape these materials. A preferred alternative to removal is to install a new floor over the old asbestos-containing floor whenever possible. If removal of existing floor covering is necessary, be sure that all precautions are taken and proper procedures are followed. For information regarding proper removal procedures, please consult Centiva or the Resilient Floor Covering Institute, 401 East Jefferson Street, Suite 102, Rockville, MD, 20850, phone: 301-340-8580. Request the "Recommended Work

Practices for Removal of Resilient Floor Coverings” brochure or view it online at www.rfci.com. Check state and local laws regarding removal of asbestos-containing materials.

After removing existing flooring, make sure to also remove old cutback adhesive, grease, wax, or other foreign matter. Painted and/or varnished surfaces must be sanded and dust free. In some cases old concrete subfloors must be shot blasted and a floor leveler should be applied prior to installation. Poor subfloor preparation may eventually telegraph through the Centiva flooring causing visible irregularities. Between floor prep and start of installation, make sure to keep the floor dry, free from dirt, dust, and grit.

2.0 INSTALLATION

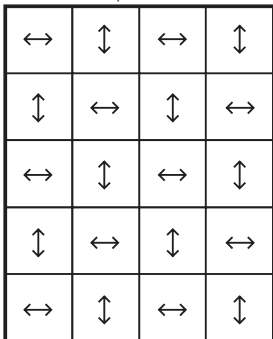
Before any installation takes place, please read the following information carefully:

The Victory Series, homogeneous products including Coral Reef, Magics, Italian Marble and Mineral Chip achieve natural and realistic appearance through their variations. These products are non-directional and should be pre-blended before installation begins. This is similar to shuffling a deck of cards and will blend the different shades and patterns that occur at random within the tiles. In larger tile sizes (12" x 12", 18" x 18", 36" x 36") less blend is possible in ratio to the size of the room.

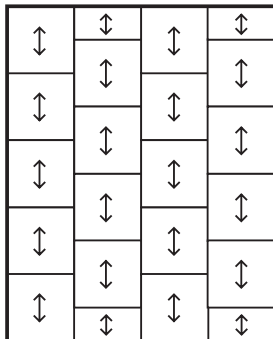
The Victory Series, multi-layered tiles including Concrete, Canyon Colors, US Solids, Glitter, C-Tech and C-Tech Crushed are recommended to be installed one-quarter turn (tessellated) or in one direction due to light reflection on the surface. See the illustration below for recommended installation patterns.

The Event and Contour Series multi-layered square tiles are also recommended to be installed one-quarter turn (tessellated) or in one direction due to light reflection on the surface. See the illustration below for recommended installation patterns.

Cross Joint Installation
One-quarter turn



1/2 Off Installation
One direction



2.1 Material Supply Check

Check all materials at the jobsite to the order. Check color, size and design to be sure everything is correct before commencing the job. Inspect the cartons to be sure all colors are the same shade. Remember that in some Centiva styles, shading and subtle color variations may be part of the design. This is desirable to enhance the look of the tile. When working with a Centiva Floor Design, find the CAD drawing which accompanies the shipment and be sure all pieces are included. Centiva does an outstanding job of quality control, but checking the shipment beforehand will assure there is no work stoppage. Do not install materials with an apparent defect.

2.2 Acclimation

All Centiva tiles, planks, and adhesive should be present at the jobsite for at least 48 hours at a temperature between 68-72 degrees F in order to acclimate properly. Avoid installations with ambient temperatures above 80 degrees F and below 60 degrees F. The tiles, room, and existing floor must be at room temperature (68-72 degrees F). It is helpful to stack the cartons two high around the area. Slabs in 36" x 36" stacked on a pallet, may have to be acclimated up to 72 hours prior to installation. Avoid extreme cold and hot situations.

2.3 Tools

- Pencil and paper
- Chalk line and chalk
- Carpenter's square
- Steel measuring tape and steel rule
- Utility knife and blades, straight edge knife and curved edge knife
- Trowels (notched to meet the adhesive being used and the subfloor requirements)
- Clean cloths and clean water
- 100 lb. roller

2.4 Calculating

Tiles and Planks - The number of tiles you will need:

Measure the room's length and width. Multiply the width times the length to get the square footage. Measure all offsets and alcoves separately, and add the square footage for each area to arrive at the total square footage. Always add approximately 5% allowance for cutting waste and always round up to the next full carton.

12 x 12---Each 12-inch tile covers one square foot, so the number of square feet in the installation area equals the number of tiles that you will need. Add for waste.

18 x 18---An 18-inch tile covers 2.25 sq. ft. Simply take your total square footage and divide it by 2.25. Again, add 5% for waste.



36 x 36---A 36-inch slab covers 9 sq. ft. Slabs are mostly used for larger applications and waste should be considered between 5 - 8%. Slabs are boxed in 90 sq. ft. cartons. For larger orders due to environmental reasons, Centiva retains the rights to load a pallet of 240 slabs (2,160 s/f) without packaging other than skirt and shrinkwrap.

Centiva also offers other sizes such as 9" x 9", 12" x 18", 12" x 36", and 18" x 36".

Feature Strips

Feature Strips around a tile are easy to calculate.

- You will need 2 linear ft. for each 12-inch tile
- 3 linear ft. for each 18-inch tile
- 6 linear ft. for each 36-inch slab

To figure out quantity on Centiva Floor Design patterns, please submit plans to your Centiva representative or call 1-800-633-3380.

2.5 Laying Out the Job Site Using Centiva Tiles

Carefully determining where to begin your tile installation, results in the most professional looking job. Always try to end up with at least half a tile at each wall for best appearance.

Follow these steps:

1. Treat the room as a rectangle, disregarding offsets, alcoves, etc. Find the center points of the two end walls and strike a chalk line between them.

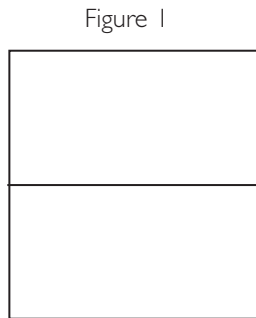


Figure 1

2. Find the center of the chalk line, using T-square or a Centiva tile to line up. Strike a second chalk line at right angles to the first one. The room is now divided into four equal parts.

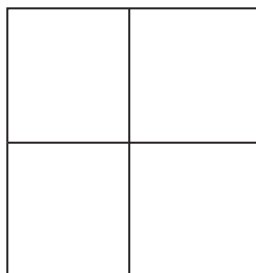


Figure 2

3. Starting in center of room where the two chalk lines intersect, loose lay several tiles in a row to one end of wall and a second row to a sidewall. Measure distance from last tile to wall. If it is less than half a tile, move centerline a half a tile nearer the opposite wall. Do this in both directions.

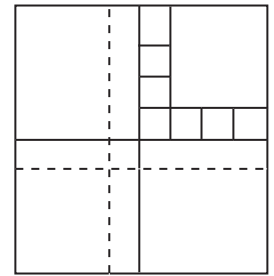


Figure 3

2.6 Diagonal Layout Using Centiva Tiles

Extra measurements and guidelines are needed for diagonal installations. A sketch is useful for any complicated installation. Follow these guidelines for diagonal installations:

1. Divide the room into equal quarter sections and adjust the same way you would for normal installations.

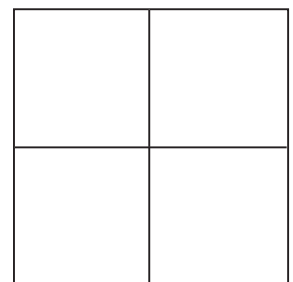


Figure 1

2. Measure and mark a point 4'3" from the center point on each centerline. Snap a chalk line to connect the four new points.

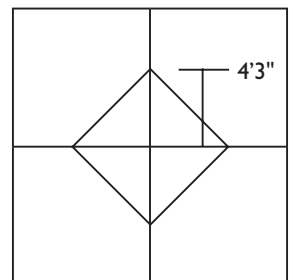


Figure 2

3. Mark the midpoint on the new guidelines and snap another chalk line to its opposite midpoint. These lines should intersect the original center point or the measurements will be incorrect.

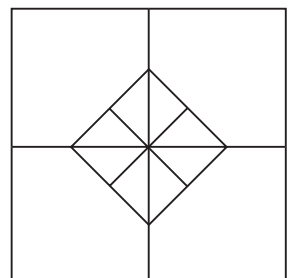
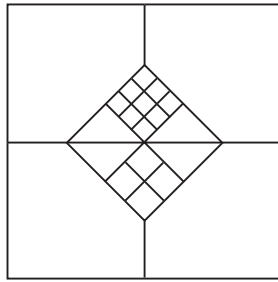


Figure 3

4. Use the guidelines for the installation. Nine 12-inch tiles, four 18-inch tiles or one 36-inch slab will start towards all four directions.

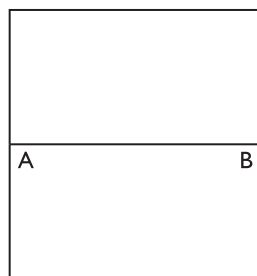
Figure 4



2.7 Layout of Room Using Centiva Planks

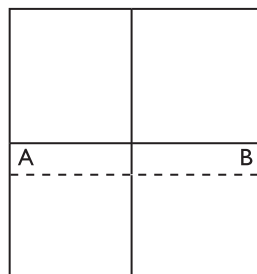
Find the center point of the room. Strike a line (A-B).

Figure 1



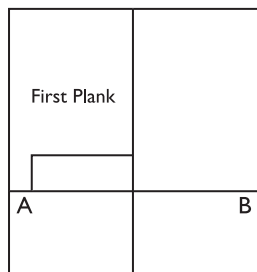
Obtain a true 90° angle by using a carpenter's square. Strike a second line, which will divide the room into four equal parts. Measure the distance from the center to the wall parallel to the direction of the plank. Divide that measurement by the width of a plank (3"). If less than half a plank (1 1/2") remains as the border plank, adjust the point by 1 1/2". This will give a large border along the wall and reduce the chance of having to cut a small sliver of flooring to place along the wall.

Figure 2



Centiva Vinyl Plank features beveled and square edges to accent individual planks and create a distinct plank effect. For this reason, anytime you make a cut, you will want to place that cut edge along a wall. Placing a cut edge against the uncut edge of another piece of flooring will not look natural or realistic. However, for special patterns, the floor may be installed cut edge to cut edge and beveled edge to beveled edge for a consistent and finished look.

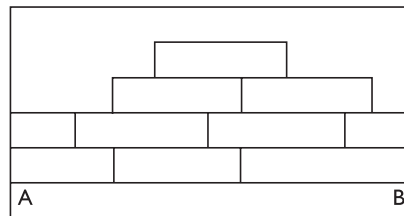
Figure 3



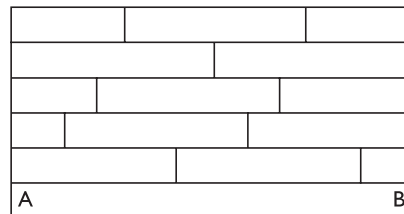
2.8 Laying of the Plank

Spread adhesive following the specific recommendations outlined in the Section 4.0 Adhesives. Place the first piece of plank at the junction of the chalk lines. Continue to lay the plank, making sure each plank is flush against the chalk line and tight against the adjoining plank. Make sure the plank is well seated into the adhesive, paying special attention to the edges. Lay row by row or in a pyramid fashion. Roll the installed floor approximately five minutes after installation and again, 15 minutes after installation. Promptly remove any excess adhesive that appears after rolling.

Pyramid Fashion

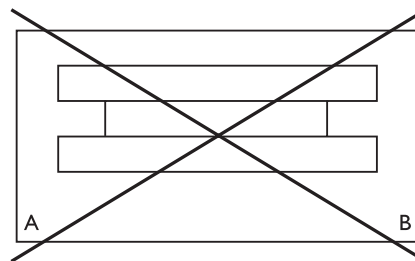


Row by Row Fashion



*Row by row fashion installation specially recommended when using IFA D-2001 Wet Set Adhesive.

This is the incorrect way to lay the plank!



Fitting the Border:

Measure the distance from the last plank in the row to the wall. Mark the plank and cut it against the mark. Lay the plank in place, making sure the cut edge is against the wall.

Fitting Around Irregular Objects:

Make a pattern out of heavy paper to fit around pipes and other irregularities. Place the pattern on the plank, trace, cutting along the trace lines with scissors or a sharp knife. Place the cut plank into position.

The manufacturer or supplier will not be liable for any loss, damage, or complaint of any kind if the specific procedures in the Installation Guidelines are not followed.



2.9 Useful Installation Tips

- It is always recommended to fit in intricate cuts around door frames, cabinets, and transitions prior to spreading adhesive. See also adhesive pages.
- Have several clean white cloths and a container of denatured alcohol or mineral spirits available for cleaning off excess adhesive from the tile as you work. Any excess adhesive must be removed from the tile surface, in between tile seams, or the surrounding area WHILE STILL WET. IFA's D-2001 and IFA PS-5000 Plus may be cleaned with soap and water while still wet., IFA's EP-2000 may only be cleaned with mineral spirits or denatured alcohol WHILE STILL WET. DO NOT ALLOW EPOXY ADHESIVE TO DRY ON TILE SURFACE. To obtain best results, dampen a clean cloth with cleaner and gently rub areas as to not move the tiles out of place. Do not saturate the area with cleaner and make sure that you clean up any excess cleaning solution as you go.
- Never begin installation when all necessary tools are not available. (straight edge knife, curved edge knife, ruler, trowel, etc.)
- Like any flooring material, Centiva tiles and planks should not be installed over expansion joints. As with real stone or wood products a cut should be made through the Centiva flooring to open the joint. Because of visual appearance this method is mostly not preferred. It is left to the discretion of the end consumer. For more information please contact your Centiva consultant or call customer service at 1-888-CENTIVA.

3.0 CFD (CENTIVA CUSTOM FLOOR DESIGN)

Please contact your Centiva consultant or visit www.centiva.com for more information.

4.0 ADHESIVES

International Floors of America, Inc. (IFA) recommends all tiles and planks be installed with IFA adhesives only. Please choose the following adhesives that apply to your specific job specifications. Attention: The use of dry set IFA PS-5000 Plus is for installation of the Event and Contour Series only. IFA PS-5000 Plus is not to be used for Centiva's Victory Series. We recommend the use of IFA D-2001 for installation of all planks with 36" lengths or more and slabs of 36" x 36" over porous sub-floor.

4.1 Handy Adhesive Reference Guide

Adhesive	D-2001	PS-5000 Plus	EP-2000
Installation	wet set	pressure sensitive, dry set	epoxy mix
Sub-floor	Porous only	porous or non-porous	porous or non-porous
Over old vinyl	No	Yes	Yes
Trowel size	1/16 x 1/16 x 1/16 sq. notch	Porous-1/16 x 1/16 x 1/16 Square-notch Non-porous-1/16 x 1/32 x 1/32 U-notch	1/16x1/16x1/16 sq. notch
spread rate	~125 sq. ft. per gallon	~220-260 sq. ft. per gallon	~110 sq. ft. per gallon
open time	20 minutes	up to 3 hours	varies, at least 45 minutes
roller	100 lb.	100 lb.	150 lb.
max. moisture	5 lbs/1,000 sq. ft. in 24 hours	5 lbs/1,000 sq. ft. in 24 hours	5 lbs/1,000 sq. ft. in 24 hours
Centiva Floor	Victory, Contour, Event	Event and Contour ONLY	Victory, Contour, Event

For installation over 5 lbs/1,000 sq. ft. in 24 hours, please contact your Centiva Consultant.

4.2 IFA D-2001 Vinyl Plank & Luxury Vinyl Tile Flooring Adhesive

Description & Data:

IFA D-2001 adhesive is solvent-free, non-flammable, freeze/thaw stable, and nearly odor-free. It can be used where other adhesives might present potential health risks. It is suitable for office buildings, hotels, hospitals, schools, restaurants, nursing homes, etc. IFA D-2001 adhesive contain one or more micro-biocides to inhibit the growth of mold and mildew. IFA D-2001 can be used to install luxury vinyl tile and vinyl plank flooring over porous floors. It exhibits quick grab, excellent moisture resistance, and spreads easily. DO NOT use over existing resilient flooring or painted sub-floors. Not for use over non-porous floors such as sealed concrete, metal, existing sheet flooring, etc. Only IFA adhesive is to be utilized for installing Centiva flooring.

Surface Preparation:

Use on grade, above grade, or below grade (if the floor covering is recommended for below grade installations). It may be used over plywood and concrete. Use a high quality latex/Portland cement based-type patching compound to fill or level any irregular areas. The floor must be sound, dry, and free from dirt, dust, old adhesives, grease, wax, or other foreign matter. Painted or varnished surfaces must be sanded and dust-free. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive moisture vapor emissions (5 lbs./1,000 sq. ft./24 hrs.) On- and below-grade concrete must have a satisfactory moisture barrier beneath the slab. Do not use IFA D-2001 where moisture is present in the concrete sub-floor; moisture may retard or prevent the adhesive from setting. If applying over old cutback, all old adhesive must be removed so that the floor is smooth.

Application:

The sub-floor, flooring material, and adhesive should be maintained at a minimum temperature of 68-72 degrees F. for 48 hours prior to, during, and after installation. Apply the adhesive with a 1/16" x 1/16" x 1/16" square notched trowel in small sections. Apply only that amount of adhesive that can be covered in 20 minutes. That open time will vary with the temperature, humidity, and porosity of the sub-floor. For best results let the adhesive tack up before installing the planks or tile but install them before the adhesive skins over or begins to dry. Position planks or tile firmly in the adhesive without sliding them. Check open time periodically by lifting a section just laid to be certain that at least 95% of the adhesive pattern has been transferred to the back of the planks or tile. If the adhesive begins to set up or skin over, scrape it up and re-apply fresh adhesive. Roll each section immediately upon completion with a 100 lb. sectional roller. Re-roll the entire floor after one or two hours. Remove any excess adhesive when rolling. Restrict heavy foot traffic or rolling loads for at least 24 hours. DO NOT WASH OR WAX THE FLOOR FOR A MINIMUM OF 48 HOURS AFTER INSTALLATION.

Limitations:

Store indoors only. Protect from freezing. Adhesive is freeze/thaw stable to 10 degrees F. Prolonged or repeated freeze/thaw cycles should be avoided. Should adhesive freeze, allow to thaw at room temperature and stir well before using. The finished installation must be protected from moisture and/or freezing for a minimum of 48 hours. Not for use over non-porous floors.

Clean-up:

Dried adhesive can be difficult to remove; take care to remove wet adhesive from the surface of the flooring before it dries. Fresh adhesive (and dried adhesive on resilient flooring) can be removed with a soapy, wet cloth. Dried adhesive can be removed from carpet with a non-flammable cleaning solvent.

Coverage:

Approximately 125 square feet per gallon. Coverage will vary with the type of floor covering and job conditions.

Product Specs:	Base: Latex	Consistency: Medium Paste
	Color: Cream	Shelf Life: One Year; Unopened
	Weight: 9.3 lbs/gal	Open Time: 20 Minutes
	VOCs: -0- Calculated	



4.3 IFA PS-5000 Plus Pressure Sensitive Vinyl Tile and Plank Adhesive

Description & Data:

PS-5000 Plus adhesive is solvent-free, non-flammable, freeze/thaw stable, and nearly odor-free. It can be used where other adhesives might present potential health risks. It is suitable for office buildings, hotels, hospitals, schools, restaurants, nursing homes, etc. PS-5000 Plus adhesive contains one or more micro-biocides to inhibit the growth of mold and mildew. PS-5000 Plus should be used to install Centiva Event and Contour Series. UNDER NO CIRCUMSTANCES SHOULD IFA PS-5000 Plus BE USED FOR THE CENTIVA VICTORY SERIES. It spreads easily, exhibits quick grab, and has excellent resistance to moisture and plasticizer migration. Only IFA adhesive is to be utilized for installing Centiva flooring.

Surface Preparation:

Use on grade, above grade, or below grade (if the floor covering is recommended for below grade installations). It may be used over plywood, concrete, terrazzo, steel, and well-bonded, wax-free floor coverings. Use a high quality latex/Portland cement based-type patching compound to fill or level any irregular areas. Never sand resilient floors; they may contain asbestos. The floor must be sound, dry, and free from dirt, dust, old adhesives, grease, wax, or other foreign matter. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive moisture vapor emissions (5 lbs. /1,000 sq. ft./24 hrs.) On- and below-grade concrete must have a satisfactory moisture barrier beneath the slab. Do not use PS-5000 Plus where moisture is present in the concrete sub-floor; moisture may retard or prevent the adhesive from setting. May be used over old cutback adhesive provided that the old adhesive is removed and the floor is smooth.

Application:

The adhesive, tile, and room should be maintained at a minimum temperature of 68-72 degrees F. for 48 hours prior to, during, and after installation. For porous sub-floors apply the adhesive with a 1/16" x 1/16" x 1/16" Square-notched trowel; for non-porous sub-floors use a 1/16" x 1/32" x 1/32" U-notched trowel. After troweling onto subfloor; allow adhesive to develop tack. Adhesive should not transfer to the finger when touched. That set-up time will vary with the temperature, humidity, and porosity of the sub-floor. To test, touch the adhesive lightly; if it does not transfer to your finger, proceed with the installation. Place the tiles into the adhesive within two hours of spreading. (Place carefully and accurately because the tiles cannot be repositioned easily). Within an hour of installation roll the entire floor with a 100 lb. roller. Roll at least twice, once in each direction. Remove any excess adhesive when rolling. Restrict heavy foot traffic or rolling loads for at least 24 hours.

Limitations:

Store indoors only. Protect from freezing. Adhesive is freeze/thaw stable to 10 degrees F. Prolonged or repeated freeze/thaw cycles should be avoided. Should adhesive freeze, allow to thaw at room temperature and stir well before using. The finished installation must be protected from moisture and/or freezing for a minimum of 48 hours.

Clean-up:

Dried adhesive can be difficult to remove; take care to remove wet adhesive from the surface of the tiles before it dries. Fresh adhesive can be removed with a soapy, wet cloth. DO NOT FLOOD. DO NOT USE SOLVENTS AS CLEANING AGENTS. DO NOT ALLOW ADHESIVE TO DRY ON FLOOR COVERING BECAUSE EFFORTS TO REMOVE IT MAY CAUSE DAMAGE TO THE FLOOR COVERING.

Coverage:

Approximately 220-260 square feet per gallon. Coverage will vary with the type of floor covering and job conditions.

Product Specs:	Base: Amide-Ester-Acrylate Resin	Consistency: Smooth, creamy
	Color: Yellow	Shelf Life: One Year; Unopened
	Weight: 8.3-8.6 lbs/gal	Open Time: Up to 3 hours
	VOCs: -0- Calculated	

4.4 IFA EP-2000 Epoxy Adhesive (Solvent Free) Parts A & B

Description & Data:

IFA EP-2000 adhesive is solvent-free, non-flammable, and nearly odor-free. It can be used where other adhesives might present potential health risks. It is suitable for use in office buildings, hotels, hospitals, schools, restaurants, nursing homes, etc. IFA EP-2000 is recommended for the installation of vinyl flooring products on approved sub-floors. It is especially recommended for use on non-porous sub-floors.

Surface Preparation:

Use on grade, above grade, or below grade. IFA EP-2000 may be used over structurally sound surfaces of plywood (sealed), hardboard, concrete, and terrazzo. Use a high quality latex/Portland cement-type patching compound to fill or level any irregular areas. The floor must be sound, dry, and free from dirt, dust, old adhesives, grease, wax, or other foreign matter. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity, curing agents, and excessive moisture vapor emissions (5 lbs./1,000 sq. ft./24 hrs.). On- and below-grade concrete must have a satisfactory moisture barrier beneath the slab.

Application:

The adhesive, tile, and room should be maintained at a minimum temperature of 68-72 degrees F. for 48 hours prior to, during, and after installation. A unit of IFA EP-2000 consists of two (2) parts labeled Part A and Part B. After opening each container use a can opener to cut the rims off both containers. Thoroughly mix Part A and Part B separately. Combine the two (2) parts making sure that ALL of the contents of one can are added to ALL the contents of the second can. Mix the two parts together thoroughly until they are a uniform color. Immediately after mixing the two parts together, pour the contents into an open, flat pan or on the floor (epoxy adhesive cures by chemical reaction; the heat generated by that process reduces the open time and curing is accelerated if left in the can). Spread the adhesive using a 1/16" x 1/16" x 1/16" square notched trowel. After spreading the adhesive lay the tile into it immediately. Check open time periodically by lifting a section just laid to be certain there is transfer of adhesive to the back of the floor covering. The open time will vary with the temperature, humidity, and porosity of the sub-floor*. Use a kneeling board or work off of the tile whenever possible. After installation roll the floor using a 150 lb. sectional roller, first in one direction and then in a direction at a right angle to the first line of direction. Remove any excess adhesive when rolling. THE FLOOR MUST BE ROLLED BEFORE THE ADHESIVE HARDENS. Prohibit all traffic for 24 hours after installation to allow adhesive to dry completely.

Limitations:

Store indoors only. Protect from freezing. Full cure takes 48-72 hours; the finished installation must be protected from moisture and/or freezing for a minimum of 24 hours. Avoid traffic over the finished floor for at least 12 hours after installation.

Clean-up:

Epoxy adhesives cannot be removed after they set. It is recommended the installer have a bucket of water and a clean cloth close by in order to remove any wet adhesive immediately that may get onto the tile.

Coverage:

Approximately 125 square feet per gallon unit. Varies due to sub-floor porosity and irregularities.

Product Specs:	Base: Part A-Resin; Part B-Hardener	Consistency: Soft Paste
	Color: Off-White (Combined)	Shelf Life: One Year; Unopened
	Weight/Gal: 12.5 lbs. (Combined)	Open Time: varies, atleast 45 minutes
	VOCs: Less than 30 grams per liter Meets SCAQM	



5.0 TESTING

All Centiva Event, Contour and Victory products pass the following tests.

ASTM E 648-04	Critical Radiant Flux	Class I CRF > 0.45
ASTM E 662-03	Smoke Density	<450
ASTM F 925-02	Chemical Reaction	Excellent
Slip Resistance	ADA Compliant	
	Varies with Surface Texture	
	FTC Slip Resistant Classified Product	

ASTM F 925-02

This test was conducted in accordance with ASTM F 925-02, Resistance to Chemicals of Resilient Sheet Flooring. This method provides a procedure for determining the resistance of resilient sheet vinyl floor covering on surface deterioration when exposed to various chemicals.

The following categories are rated:

- Surface Dulling-indicating that the specimen suffered a loss of gloss
- Surface Attack-indicating that the specimen suffered surface damage such as softening, warping, swelling, blistering, peeling, raised, or rough area
- Color Change-indicating that the specimen suffered discoloring or bleaching or both

Each category is rated as No Change=NC, Slight Change=SC, Moderate Change=MC, or Severe Change=SC.

Chemical	Five Minutes			24 Hours		
	Surface Dulling	Surface Attack	Color Change	Surface Dulling	Surface Attack	Color Change
White vinegar	NC	NC	NC	NC	NC	NC
Rubbing alcohol	NC	NC	NC	NC	NC	NC
White mineral oil	NC	NC	NC	NC	NC	NC
Sodium hydroxide solution	NC	NC	NC	NC	NC	NC
Hydrochloric acid solution	NC	NC	NC	NC	NC	NC
Household ammonia solution	NC	NC	NC	NC	NC	NC
Household bleach solution	NC	NC	NC	NC	NC	NC
Disinfectant	NC	NC	NC	NC	NC	NC
Unleaded gasoline	NC	NC	NC	NC	NC	NC