

# LV100 POINT OF VIEW

## Premium Luxury Vinyl Tile Product Guide

(available in tile & planks)



 PHENIX

A pharr FAMILY COMPANY

For more information visit: <http://www.phenixflooring.com/hard-surfaces>

## WARRANTY INFORMATION

Phenix provides a Limited Lifetime Residential Warranty and a 10 Year Limited Commercial Warranty. For additional information, see associated warranty documents.

**WARRANTY TERMS:** Phenix Flooring warrants to its original purchaser that, at the time of delivery by the Manufacturer, the flooring products described in the Manufacturer's Catalogue as Point of View Luxury Vinyl Tile & Plank ("Product") will conform to Manufacturer's published specifications, technical data sheets, maintenance documents and other related technical documents.

All warranties, whether expressed or implied, are contingent on the following requirements:

- **All Guidelines Must Be Reviewed.** Installation and substrate preparation must be performed in accordance with all related ASTM, NWFA and RFCI guidelines ("Guidelines")
- **All Technical Data Must Be Reviewed.** Product must be installed in accordance with Manufacturer's published specifications, technical data sheets, adhesive instructions, labels, and other relevant technical information on the Product ("Technical Data"). This includes proper product and adhesive selections.

Manufacturer provides the following commercial warranties to its original purchaser:

- **Limited Residential Warranty.** The product will conform to all written specifications and will be free of any and all manufacturing defects outside of normal tolerances. The product will not prematurely wear from normal use. Premature wear shall be known as wearing completely through the Product's wear layer within the warranty period. Warranty will cover material and labor for a period of Lifetime from date of purchase, per the following pro-rated schedule:
  - **Year 1:** 100% Material costs, 100% of Labor costs
  - **Year 2:** 100% Material costs, 50% of Labor costs
  - **Year 3+:** 100% of Material costs, 0% Labor costs
- **Limited Commercial Warranty.** The product will conform to all written specifications and will be free of any and all manufacturing defects outside of normal tolerances. The product will not prematurely wear from normal use. Premature wear shall be known as wearing completely through the Product's wear layer within the warranty period. Warranty will cover material and labor for a period of **ten (10) years** from date of purchase, per the following pro-rated schedule:
  - **Year 1:** 100% Material costs, 100% of Labor costs
  - **Year 2:** 100% Material costs, 50% of Labor costs
  - **Year 3+:** 100% of Material costs, 0% Labor costs

These warranties are specific to Point of View from Phenix Flooring and no other products. The warranties are only provided to original purchasing authority, company, person, entity, building and/or project and are non-transferable.

Product must be selected, installed, used, maintained and cared for in accordance with the Guidelines and Technical Data. The Product must be installed by a professional, licensed and experienced installer **only**. Any installation by anyone other than a professional installer shall void any and all expressed or implied warranties.

**WARRANTY EXCLUSIONS:** The above warranties do not apply or cover any of the following:

1. Any expressed or implied promise made by any architect, designer, representative, sales agent, distributor or installer without expressed, written consent from Manufacturer's technical staff.
2. Normal Product shade, color or dimensional variations that are within normal tolerances.
3. Product installed with visible and obvious manufacturing defects.
4. Product installed outside of product limitations found in Technical Data.
5. Discoloration caused by improper or incompatible cleaning or finish products.
6. Discoloration caused by subfloor or adhesive pH levels.
7. Discoloration caused by direct and/or indirect UV light exposure.
8. Product that has not been installed in strict accordance with Guidelines and Technical Data.

9. Product that has not been installed with an explicitly compatible adhesive.
10. Product that has been damaged by excessive topical water, from such causes as improper or excessive maintenance, broken or leaking plumbing, sink overflow, flooding or weather conditions.
11. Product that has been damaged by hydrostatic pressure, osmosis, excessive subfloor moisture or moisture-related issues.
12. Product that has been damaged by negligence or accident, such as tears, burns or cuts.
13. Product that has been damaged by sharp, pointed objects, such as high heels, spikes or skates.
14. Product that has been damaged by animal, vegetable or petroleum-based fats, grease, oils or hydrocarbons, unless specifically outlined in Technical Data.
15. Product that has been damaged by circumstances beyond the reasonable control of Manufacturer, such as ambient or substrate conditions.
16. Product that has been damaged or deformed by substrate imperfections, damage or improper substrate selection (per the Technical Data) and installation.
17. Product that has been subjected to conditions of use or maintenance not in strict conformity with the Technical Data.
18. Any product that has been sold or resold as “seconds”, “mill-run”, “non-conforming”, “as is” or otherwise denoted as non-standard quality.
19. Unreasonable costs associated with product replacement, such as labor costs outside of pro-rated schedule, overtime and loss of use or business.

**WARRANTY CLAIMS:** If, within the applicable warranty period identified in the Warranty Terms, the original purchaser discovers any problems or defects in the Product that may be covered by this Standard Limited Warranty; the original purchaser should notify the Manufacturer’s technical department in writing within **fifteen (15) days** of the appearance of defects or irregularities. If the Manufacturer determines that the Product is covered by this Limited Warranty, then the Manufacturer shall, at its sole option and one time only, repair or replace the non-conforming Product or refund the purchase price paid for each defective Product and an amount up to the original cost of labor and material for the affected section of the floor, per the Warranty Terms. No warranty claims will be processed if received more than **thirty (30) days** after the applicable warranty period has ended.

All warranty claims must be directed to:  
Phenix Claims Department  
Telephone: (800) 609- 9557  
Fax: (706) 279 - 8285  
E-mail: [claims@phenixflooring.com](mailto:claims@phenixflooring.com)

All claims should be called, faxed or emailed to the contacts listed above. Please include any associated photos and/or documentation that supports your claim. Manufacturer, or its designated representative, shall have the right to examine the Product and the flooring (including testing of the flooring and substrate) at the installation site with respect to any warranty claim. Any removal of the installed Product prior to such examination will void this warranty. Manufacturer may require additional testing or verification of any such test obtained by the original purchaser.

**ADDITIONAL LIMITATIONS:**

EXCEPT FOR THE EXPRESSED WARRANTIES ABOVE, MANUFACTURER MAKES NO REPRESENTATIONS REGARDING THE PRODUCTS, THEIR USE OR PERFORMANCE AND DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESSED AND IMPLIED, WRITTEN OR ORAL, WITH RESPECT TO THE PRODUCTS, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. UNDER NO CIRCUMSTANCES WILL MANUFACTURER BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, PUNITIVE OR SPECIAL DAMAGES, INCLUDING LOST PROFITS. IN NO EVENT SHALL MANUFACTURER LIABILITY EVER EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCT AT ISSUE AND AN AMOUNT UP TO THE ORIGINAL COST OF LABOR AND MATERIAL FOR THE AFFECTED INSTALLATION AREA.

THE PURCHASER ACKNOWLEDGES THAT THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY ARE IT'S SOLE AND EXCLUSIVE REMEDIES, AND MANUFACTURER'S SOLE OBLIGATION, FOR ANY BREACH OF REPRESENTATION OR WARRANTY, IS IN LIEU OF ALL OTHER REMEDIES.

PURCHASER MUST BRING ANY LEGAL ACTION FOR BREACH OF WARRANTY WITHIN (A) ONE YEAR AFTER THE CLAIM OR CAUSE OF ACTION HAS ACCRUED OR (B) THE PERIOD PRESCRIBED BY THE APPLICABLE STATUES OF LIMITATION OR REPOSE, WHICHEVER COMES FIRST.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES. THOUGH THIS WARRANTY GIVES THE PURCHASER SPECIFIC LEGAL RIGHTS, THE PURCHASER MAY ALSO HAVE ADDITIONAL LEGAL RIGHTS AFFORDED THEM BY THE APPROPRIATE STATE. EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES MAY VARY BY STATE. FOR FURTHER INFORMATION, CONSULT THE APPROPRIATE STATE CONSUMER AFFAIRS OFFICE OR THE STATE ATTORNEY GENERAL'S OFFICE.

## LV100 Point of View Specification Sheet

Feature	Tile	Plank
Product Type	Loose Lay Luxury Vinyl	Loose Lay Luxury Vinyl
Material Composition	Solid Vinyl	Solid Vinyl
Plank Length	24"	48"
Plank Width	12"	6"
Backing	NA	NA
Total Thickness	4mm	4mm
Wear Layer Thickness	20 mil	20 mil
Edge Design	Straight edge	Straight edge
Embossing	Random	Random
Acclimation Time & Temp.	48 Hours (65° - 85° F)	48 Hours (65° - 85° F)
Installation Type	Loose Lay or Full Spread	Loose Lay or Full Spread
Installation Area with no transitions (LF)	No Limitation	No Limitation
Water Resistance	Yes	Yes
Approved for Basement Installations	Yes	Yes
Residential Warranty # of Years	Limited Lifetime	Limited Lifetime
Commercial	10 years	10 years
Special Tools Needed	3-section 100 lb roller; Trowel, if glue down (see Installation Instructions)	3-section 100 lb roller; Trowel, if glue down (see Installation Instructions)
Finish	Ceramic-Reinforced, UV-Cured	Ceramic-Reinforced, UV-Cured
Prop 65 Compliant	Yes	Yes
Phthalate Free	Yes	Yes
FloorScore Certified	Yes	Yes
<b><u>Box</u></b>		
Pieces per Box	12	12
Square Feet per Box	24	24
Weight per Box	32.44	32.75
<b><u>Pallet</u></b>		
Boxes per Pallet	48	54
Square Feet per Pallet	1152	1296
Weight per Pallet	1557.12	1768

Tile Colors			Plank Colors					
Color #	Color Name		Color #	Color Name	Color #	Color Name	Color #	Color Name
T114	Midnight		P101	Winter White	P102	Latte	P103	Iced Mocha
T115	Ginger Root		P104	Autumn Fog	P105	Ebony Night	P106	Grays Harbor
			P107	Smokey Beige	P108	Tea Chest	P109	Honey
			P110	Sable	P111	Cool Beige	P112	Soft Fawn
			P113	Smoke House				

# LV 100 Point of View Luxury Vinyl Tile Technical Documentation

## PRODUCT DESCRIPTION

Point of View is a premium Luxury Vinyl Tile product, available in tile and planks, featuring beautiful, rich wood and stone looks that provide appealing design elements in any setting. Point of View's solid construction and rugged finish provide for long lasting durability for the lifetime of the flooring installation. Point of View's precision cut materials allow for easy installation and tight seams, while nominal tile formats provide the ability to design unique patterns and designs. Point of View is constructed with a durable wear layer and topped with a UV-cured ceramic-reinforced polyurethane finish, which provide maximum durability while ensuring long lasting beauty without the use of an on-site finish. Point of View is 100% recyclable and manufactured in the USA from premium raw materials, making it a beautiful & sustainable flooring option for any space.

## PRODUCT FEATURES

**100% Recyclable**

**Easy to Maintain**

**Ceramic-Reinforced, UV-Cured Urethane Finish**

**Extremely Durable**

**Excellent Indentation Resistance**

**Excellent Chemical Resistance**

**Excellent Slip Resistance**

**Qualifies for LEED® Credits**

**FloorScore® Certified**

## PRODUCT TECHNICAL DATA

Nominal Dimensions: **6" x 48" x 4 mm planks & 12" x 24" x 4 mm tiles**

Finish: **Embossed**

Wear Layer Thickness: **20 mil (.020")**

Quantity per Carton: **12 Planks**

LEED v2009 IEQ Credit 4.1: **Qualifies**

LEED v2009 IEQ Credit 4.3: **Qualifies**

ASTM F1700 – Solid Vinyl Tile: **Class III, Type A & B**

ASTM E648 - Critical Radiant Flux: **Class I, >.45 W/cm<sup>2</sup>**

ASTM E662 - Smoke Density: **Passes, <450**

ASTM D2047 - Slip Resistance: **> 0.60**

ASTM F970 - Static Load Limit: **Passes, 250 PSI**

ASTM F925 – Chemical Resistance: **Excellent (chart available)**

ASTM F1515 – Light Stability: **Passes**

ASTM F1914 Residual Indentation: **Passes**

ASTM F2199 Dimensional Stability: **Passes**

Acclimation Time: **48 Hours**

Storage & Acclimation Temperature: **65° - 85° F**

## PRE-INSTALLATION CHECKLIST

- Consult all associated product literature concerning adhesive installation, maintenance and warranty prior to installation of flooring
- Allow all trades to complete work prior to installation
- Deliver all materials to the installation location in its original packaging with labels intact
- Do not stack pallets to avoid damage
- Remove any plastic and strapping from product after delivery
- Remove material from packaging and stack evenly on a smooth, dry surface. Do not stack higher than 18"
- Inspect all material for proper type, color and matching lot numbers or production codes if appropriate
- Ensure that all adhesives intended for installation are approved for use with flooring material

- Ensure installation area and material storage temperatures are between 65° F (19° C) and 85° F (30° C) for at least 48 hours before, during and after installation
- Ensure HVAC system is operational and fully functioning at normal operating conditions
- Protect installation area from extreme temperature changes, such as heat and freezing, as well as direct sunlight for at least 48 hours before, during and after installation
- Ensure all substrate preparation and moisture testing requirements have been read and understood by all interested parties
- Test substrate for porosity in order to determine the installation method necessary
- Ensure all vents, walls, moldings and/or doorways are protected with tape or plastic prior to installation
- Do not proceed with installation until all conditions have been met.

### **PRODUCT LIMITATIONS**

- Do not install materials over LVT, cushioned vinyl, hardwood flooring, cork, rubber, or asphaltic materials
- Do not install flooring materials in outdoor areas or in and near commercial kitchens
- Do not install in areas that may be subjected to sharp, pointed objects, such as stiletto heels, cleats or spikes
- Do not allow product to be directly exposed to extreme heat sources, such as radiators, ovens or other high-heat equipment
- May be susceptible to staining from rubber tires, casters or rubber-backed walk-off mats, as well as harsh disinfectants, cleaning agents, dyes or other harsh chemicals – ensure all chemicals and materials that may come in contact with flooring surface will not stain, mar or otherwise damage the flooring material prior to use

### **SUBSTRATE PREPARATION**

All substrates must be prepared according to ASTM F710, as well as applicable ACI and RFCI guidelines. Substrates must be clean, smooth, permanently dry, flat, and structurally sound. Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing compounds, residual adhesives and adhesive removers, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter. All substrates must be vacuumed with a flat vacuum attachment or damp mopped with clean, potable water to remove all surface dust. Sweeping without vacuuming or damp mopping will not be acceptable.

It is recommended that all substrates have a floor flatness of FF32 and/or a flatness tolerance of 1/8" in 6' or 3/16" in 10'.

All porous substrates must be tested per ASTM F3191 to confirm porosity. Use a pipette or equivalent to conduct three tests by placing a .05 mL (1/4" wide) droplet of clean, potable water onto the surface. If the substrate absorbs water within 60 seconds, the substrate is considered porous. Conduct 3 tests for the first 3000 sq. ft. and one for each additional 2000 sq. ft., at least one per room. All other substrates that do not meet this requirement are considered non-porous. Ensure that all non-porous substrates are not contaminated with any aforementioned contaminants.

When conducting renovations or remodeling, remove all existing adhesive residue so that 90% of the original substrate is exposed by mechanical means, such as shotblasting, grinding or buffing with a 100 grit Diamabrush Prep Plus attachment.

Do not use solvent/citrus based adhesive removers prior to installation. Follow The Resilient Floor Covering Institute's (RFCI) "Recommended Work Practice for Removal of Existing Floor Covering and Adhesive", and all applicable local, state, federal and industry regulations and guidelines. When removing asbestos and asbestos containing materials, follow all applicable OSHA standards.

## **CONCRETE SUBSTRATES**

All concrete must have a minimum compressive strength of 3500 PSI and be prepared in accordance with ASTM F710. When flooring is being installed directly over concrete, concrete surfaces that have an ICRI Concrete Surface Profile (CSP) over 4 should be treated with a self-leveling underlayment or a patch to prevent imperfections from telegraphing through flooring materials. On or below grade concrete must have a permanent, effective moisture vapor retarder installed below the slab.

New or existing concrete substrates on all grade levels must be tested in accordance with ASTM F2170, using in situ Probes (such as Wagner Rapid RH), to quantitatively determine the amount of relative humidity at least one week prior to the installation.

In addition to ASTM F2170 Relative Humidity Testing, existing concrete that has previously had floor covering installed on all grade levels must be tested in accordance with ASTM F1869, using Calcium Chloride test kits, to quantitatively determine the Moisture Vapor Emissions Rate (MVER) of the concrete.

If ASTM F2170 or ASTM F1869 test results exceed the above limits, a moisture mitigation product, such as the Excelsior MM-100 Moisture Mitigation must be installed prior to proceeding with installation. Do not install flooring until moisture testing has been conducted per the appropriate standard and/or moisture mitigation has been installed per product technical data and/or installation instructions and is dry to the touch. Do not install flooring in below grade areas when hydrostatic pressure is visible or suspected.

If ASTM F2170 and ASTM F1869 test results are below recommended limits, concrete substrates must be tested for elevated pH and alkalinity in accordance with ASTM F710.

If pH testing per ASTM F710 exceeds the above limits, the concrete must be sealed with a pH insensitive product, such as the Excelsior MM-100, prior to proceeding with installation. Install all sealers and/or primers per product technical data and/or installation instructions. Do not install flooring until material is dry to the touch.

## **RESINOUS SUBSTRATES**

When installing directly over a resinous product, such as the Excelsior MM-100 or an epoxy coating, ensure that coating is dry to the touch and has cured for the prescribed length of time. Substrate must be clean, dry, sound and free of contaminates. Ensure to follow installation procedures and trowel sizes for non-porous substrates.

## **GYPSUM BASED SUBSTRATES**

Gypsum-based substrates must have a minimum compressive strength of 3500 PSI. Gypsum substrates that do not meet this requirement may have one coat of the Excelsior MM-100 installed to improve the strength of the substrate. Substrate must be structurally sound and firmly bonded to subfloor. Any cracked or fractured areas must be removed and repaired with a compatible patch or repair product. Follow instructions for installation over a gypsum substrate. New or existing gypsum substrates may require a sealant or primer. Follow all manufacturers' recommendations regarding preparation for resilient flooring installation.

## **WOOD SUBSTRATES**

Wood substrates must be prepared in accordance with ASTM F1482. Wood subfloors should be of double layer construction with a minimum thickness of 1". Crawl spaces beneath wood subfloors shall be in compliance with local building ventilation codes and have at least 18" of cross-ventilated space between the ground and the joists. Wood joists should be spaced on not more than 16" centers.

Prior to installation, moisture retardant sheeting with a maximum rating of 1.0 perm must be installed beneath the wood subfloor, overlapped at least 8". For standard installations, use Underlayment Grade plywood with a minimum thickness of 1/4" thick and a fully sanded surface. When floors may be subjected to moisture, use an APA approved exterior grade plywood.



Other wood subfloor materials, such as OSB, lauan, particleboard, chipboard or cementitious tile backer boards, are not acceptable subfloors. Avoid preservative-treated and fire-retardant plywood, as some may be manufactured with resins or adhesives that may cause discoloration or staining of the flooring.

Wood subfloor deflection, movement, or instability will cause the flooring installations to release, buckle or become distorted. As such, do not use plastic or resin filler to patch cracks. Do not use cement or rosin coated nails and staples or solvent-based construction adhesives to adhere the plywood. Do not install on a sleeper system (wood subfloor system over concrete) or directly over Sturd-I-Floor panels.

### **METAL SUBSTRATES**

Metal substrates must be thoroughly sanded/ground and cleaned of any residue, oil, rust and/or oxidation. Substrate must be smooth, flat and sound prior to installation. Install flooring material within 12 hours after sanding/grinding to prevent re-oxidation. Any deflection in the metal floor can cause a bond failure between the adhesive and the metal substrate. Ensure to follow installation procedures and trowel sizes for non-porous substrates.

### **EXISTING FLOORING SUBSTRATES**

The suitability of existing flooring as a substrate depends on the specific requirements of the adhesive being used to install the material. As such, refer to the adhesive requirements for existing flooring substrates and ensure all adhesive requirements and guidelines are followed.

### **RADIANT HEATING SUBSTRATES**

When installing flooring over a substrate that contains a radiant heating system, ensure the radiant heat is turned off 48 hours prior to installation and remains off during the entire installation. 48 hours after installation, the radiant heat may be gradually increased over the course of 24 hours, until normal operating temperature is reached. Ensure the temperature of the radiant heating system does not exceed 85° F (29.5° C) and avoid making abrupt changes in radiant heating temperature.

### **CRACKS, JOINTS & VOIDS**

All cracks, joints and voids, as well as the areas surrounding them, must be clean and free of dust, dirt, debris and contaminants. All minor cracks and voids 3/64" wide or less may be repaired with a suitable cementitious patch.

Due to the dynamic nature of concrete slabs, manufacturer cannot warranty installations to cover expansion joints, cracks or other voids (such as control cuts, saw joints and moving cracks or voids) wider than 3/64". Do not install flooring directly over any expansion joints or cracks wider than 3/64".

All expansion joints should have a suitable expansion joint covering system installed to allow expansion joint to freely move. To treat expansions joints where an expansion joint covering system can't be installed or to treat through cracks (depth at least 75% of the thickness of the concrete), chase joint or crack with a suitable saw or grinder and open to a minimum width of 1/4". Be sure to clean all dust, dirt and debris from crack. Joints and cracks should then be sealed with a suitable, elastomeric caulk (such as Ardex Ardiseal Rapid Plus, Mapei P1 SL or equivalent) designed for use in expansion joints. Install a closed-cell backer rod at prescribed depth and follow caulk manufacturer's instructions for installation. Ensure surface is troweled flush with surface of concrete.

To treat other cracks and voids (such as control cuts, saw-cut joints and surface cracks) over 3/64", chase joint or void with a suitable saw or grinder and clean all dust, dirt and debris from crack. Fill entire crack with a rigid crack filler (such as Ardex Ardifix, CMP CM10 or equivalent) designed for use in control or saw-cut cuts. Follow material manufacturer's instructions for installation. Ensure surface is troweled flush with surface of concrete.

***Consult a structural engineer prior to treating any crack or joint, especially those that may affect structural integrity (such as expansion joints). Review all manufacturer installation***

**instructions and/or consult manufacturer technical staff for all crack or joint filling products prior to treating joints and cracks.**

**GLUE DOWN PRODUCT INSTALLATION (INFORMATION IS FOR EXCELSIOR PRODUCTS ONLY, IF NOT USING EXCELSIOR ADHESIVES USE PRODUCTS DESIGNED FOR INSTALLATION OF DIMENSIONALLY STABLE ASTM F1700 SOLID VINYL TILES)**

<b>Adhesive MVER Limits</b>	<b>Adhesive RH Limits</b>
SP-500 Acrylic Aerosol: <b>9 lbs.</b>	SP-500 Acrylic Aerosol: <b>90% RH</b>
AW-510 Acrylic Transition: <b>6 lbs.</b>	AW-510 Acrylic Wet Set: <b>85% RH</b>
AP-520 Acrylic Roll-On: <b>6 lbs.</b>	AP-520 Acrylic Roll-On: <b>75% RH</b>
MS-700 Modified Silane: <b>10 lbs.</b>	MS-700 Modified Silane: <b>95% RH</b>
EW-710 Epoxy Wet-Set: <b>6 lbs.</b>	EW-710 Epoxy Wet-Set: <b>85% RH</b>

Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared and tested for moisture. Ensure adhesive is approved for use with flooring material and the proper trowel type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

Prior to installation, confirm material installation pattern and direction per design specifications or work order. Inspect all tiles before installing or during installation to verify that there are no visible defects, damages or excessive shading variations. Blend materials from several cartons to ensure consistent appearance and color or shade variation. Some flooring products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material and consult a sales representative and manufacturer's technical staff.

Ensure substrate is clean, dry, flat and sound prior to installation. Ensure the room is square using the 3-4-5 squaring rule or similar method to ensure acceptable installation. Dry-lay several pieces of material in order to determine ideal room layout. Cut borders and other specialty pieces to fit snugly against or around walls, thresholds, transition strips, fixtures and other protrusions or accessories. Ensure material around perimeter is 1/8" from wall or less, depending on depth of wall base or trim. Ensure all end seams are a minimum of 6" apart.

Use a nail-down guide or equivalent along starting row to expedite wet-set installation. Apply adhesive according to instructions for specific product in use and observe adhesive flash times, if applicable. Ensure all adhesive working times are observed and followed. Be sure to follow instructions based on substrate porosity (porous or non-porous). Use below chart for reference.

Install material into adhesive and observe directional arrows on back of tile to ensure arrows are installed in the same direction, unless installing in a specific and pre-determined design, such as a herringbone design. For larger installations, use a pyramid layout when installing planks to eliminate run-off.

When installing into adhesive using a wet-set method, avoid walking or working on material until adhesive has cured for light foot traffic. Working on material that is installed into wet adhesive could cause adhesive to displace. When working off of material is not possible, use a kneeling board or equivalent to disperse weight evenly and prevent adhesive displacement. Pay close attention to working time to avoid adhesion issues. This may require installing material in smaller sections. Replace trowels at recommended intervals to maintain proper trowel ridge and spread rate.

Periodically lift material to ensure proper adhesive transfer and ensure adhesive has not surpassed the open time – adhesive should cover 90% of tile. Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller.

Visually inspect installation to ensure that material has not shifted, and that adhesive has not been squeezed out of joints or compressed onto surface. Clean excessive adhesive or adhesive residue

from the surface of the material per adhesive recommendations. Do not apply abrasive or solvent based cleaners directly to flooring material.

## LOOSE LAY PRODUCT INSTALLATION

<b>MVER Limits</b> Loose-Lay Installation: <b>10 lbs.</b>	<b>RH Limits</b> Loose-Lay Installation: <b>90%</b>
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Ensure substrate is suitably prepared prior to installation, as manufacturer is not responsible for substrates that have not been properly prepared and tested for moisture. Ensure adhesive is approved for use with flooring material and the proper trowel type and size is used, as manufacturer is not responsible for any and all adhesion issues related to improper adhesive selection or usage.

Prior to installation, confirm material installation pattern and direction per design specifications or work order. Inspect all planks before installing or during installation to verify that there are no visible defects, damages or excessive shading variations. Blend materials from several cartons to ensure consistent appearance and color or shade variation. Some flooring products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material and consult a sales representative and manufacturer's technical staff.

Ensure substrate is clean, dry, flat, and sound prior to installation. Square the room using the 3-4-5 squaring rule or similar method to ensure acceptable installation and establish initial installation starting line. Dry lay several pieces of material to determine ideal room layout. Ensure to allow a 1/8" gap around the entire perimeter of the room to allow for expansion, ensuring gap is no wider than the trim, wall base or molding to be installed. Cut borders and other specialty pieces to fit snugly against or around walls, thresholds, transition strips, fixtures and other protrusions or accessories. Avoid forcing material tightly against vertical surfaces, as material may buckle. Ensure all end seams are a minimum of 6" apart and that flooring seams do not directly align with seams in the substrate.

Apply adhesive along starting row and along perimeter of initial installation area according to instructions for specific product in use. Ensure the width of the adhesive installation is no less than the width of two planks. Observe adhesive flash times and working times and expand adhesive installation area as installation continues. Be sure to follow instructions based on substrate porosity (porous or non-porous).

Install material and observe directional arrows on back of tile to ensure arrows are installed in the same direction, unless installing in a specific and pre-determined design, such as a herringbone design. For larger installations, use a pyramid layout when installing planks to eliminate run-off. Use a straight edge along initial row to ensure that all planks are aligned with each other and ensure all seams are tight.

When installing material in heavy use areas and through doorways or when flooring installation changes direction, apply adhesive along doorway or along seam and create an "X" pattern to prevent excessive flooring movement.

Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller. Visually inspect installation to ensure that material has not shifted and that all seams are tight.

### FLOORING PROTECTION

Protect newly installed flooring with construction grade paper or protective boards, such as Masonite or Ram Board, to protect flooring from damage by other trades. Do not slide or drag pallets or heavy equipment across the new flooring. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect flooring from scuffing and tearing using temporary floor protection.

All furniture casters must be made of a soft material and must have a contact point of at least 1" in width to limit indentation and flooring damage. All rolling chairs or seating must have a resilient flooring chair pad installed over the finished floor to protect floor covering. All fixed furniture legs must have permanent felt or soft rubber floor protectors installed on all contact points and to reduce indentation. Floor protectors must have a flat contact point of at least 1 sq. in. or 1 in. diameter and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of any and all dirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or become embedded in castors or floor protectors. Replace chair castors and floor protectors at regular intervals, especially if they become damaged or heavily soiled. Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration.

#### **INITIAL MAINTENANCE FOR PRODUCT DATA SHEET IF DESIRED**

Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Sweep, dust mop and/or vacuum flooring to remove any dirt, dust or debris.

Mix 2-4 ounces of Excelsior NC-900 Neutral Cleaner per gallon of clean, potable water and clean floor using an Auto Scrubber with 3M 4100 White Super Polish Pads. In smaller or difficult to reach areas, use a clean mop to apply cleaning solution to floor. If flooring is heavily soiled, an additional cleaning may be required.

Use an auto-scrubber, wet vacuum or clean mop to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry entirely. Ensure flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing).

Do not use detergents, abrasive cleaners or "mop and shine" type products, as they will dull the finish and sheen of the flooring material. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

Do not allow cleaning solutions to stand on flooring materials for extended periods of time, as the solutions could permeate beneath the flooring and cause adhesive issues. When wet, flooring will become slippery; therefore, use the appropriate caution tape and/or warning signs on the floor to eliminate traffic in cleaning area.

***For further information regarding daily or routine maintenance as well as heavy cleaning, please consult the product maintenance document.***

#### **FULL MAINTENANCE INFORMATION FOR MAINTENANCE DOCUMENT**

Point of View Luxury Vinyl Tile & Plank (LVT) is a low maintenance product that is protected by a durable UV-cured urethane finish that does not require a wax or finish. Though this coating greatly improves the durability of Point of View, daily and routine maintenance must be performed to maintain the appearance of the product. While the application of a wax or finish will not cause damage to the product, it will require additional routine maintenance to maintain the wax or finish over time.

When installing Point of View in areas where rolling chairs will be used, a resilient flooring chair pad must be installed over the finished floor to protect floor covering. In areas where desks, chairs and or furniture with castors will be used, it is extremely important to reduce the amount of debris around the area of the chair, furniture feet or castors. When furniture is moved repeatedly, dirt and debris can build up underneath chair and furniture feet or castors and cause damage to the flooring. The chair castors and other chair and furniture floor protection devices must be regularly inspected for debris, build-up or damage and cleaned or replaced when necessary.

Always use untreated, new or thoroughly cleaned mops and pads when conducting daily or routine maintenance. Do not use Kerosene, Gasoline, Naphtha and/or other solvents to clean LVT. As with any maintenance program, be sure to use proper PPE (Personal Protective Equipment) per the cleaning product SDS and ensure all maintenance procedures are conducted per the cleaning

products instructions. The use of Caution Tape and /or Wet Floor Signs is recommended to prevent slips and falls.

### RECOMMENDED CLEANERS AND FINISHES

<b>Approved Cleaners</b> Excelsior NC-900 Neutral Cleaner Excelsior CM-910 Cleaner / Maintainer	<b>Approved Floor Finishes</b> Excelsior MF-940 Acrylic Matte Floor Finish Excelsior GF-950 Acrylic Gloss Floor Finish	<b>Approved Finish Removers</b> Excelsior FR-920 Finish Remover
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#### POST-INSTALLATION CHECKLIST

Consult all associated product literature concerning Prior to initial maintenance, sweep the floor and cover with an appropriate protective product, such as Masonite, Ram Board or equivalent, to prevent scuffing and scratching that may not come out during the maintenance procedures.

**DO NOT** use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

**DO NOT** use highly alkaline or acidic cleaners.

**DO NOT** use detergents, abrasive cleaners or “mop and shine” type products (such as Bleach, Pine-Sol, Clorox Soft Scrub, Fabuloso, Mop & Glo, Mr. Clean, Murphy’s Oil Soap and similar, unapproved cleaners), as they will dull the finish and sheen of the flooring material.

**DO NOT** use sweeping compounds or cleaning agents containing oils or solvents.

**DO NOT** scrub, buff or mop the area within the adhesives traffic limits (48-72 hours) to allow proper curing of the adhesive.

**DO NOT** flood the area when cleaning.

**DO NOT** allow the cleaning solution or topical moisture to work its way beneath the flooring material, as this can result in an adhesive and/or installation failure.

#### INITIAL MAINTENANCE

Ensure that adhesive has cured for recommended period of time prior to conducting initial maintenance. Remove any protective coverings prior to cleaning. Sweep, dust mop and/or vacuum flooring to remove any dirt, dust or debris.

Mix 2-4 ounces of Excelsior NC-900 Neutral Cleaner per gallon of clean, potable water and clean floor using an Auto Scrubber with 3M 4100 White Super Polish Pads. In smaller or difficult to reach areas, use a clean mop to apply cleaning solution to floor. If flooring is heavily soiled, an additional cleaning may be required.

Use an auto-scrubber, wet vacuum or clean mop to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry entirely. Ensure flooring area is clean and that all cleaning residue has been removed (this may require additional rinsing).

Do not use detergents, abrasive cleaners or “mop and shine” type products, as they will dull the finish and sheen of the flooring material. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

#### INITIAL FINISH APPLICATION

Point of View does not require a finish. If finish must be applied, ensure that initial maintenance has been conducted prior to applying floor finish. Flooring area must be free of dust, dirt, debris, adhesive or cleaning residues, mold release agents and any potential contaminates.

Apply Excelsior MF-940 or Excelsior GF-950 per the installation instructions in 3-4 coats. Allow each coat to dry completely before applying additional coats.

#### **DAILY MAINTENANCE**

Ensure that initial maintenance has been conducted prior to conducting daily maintenance. Sweep or dust mop and vacuum flooring to remove any dirt, dust or debris. Do not use vacuums that have a beater bar or electric brooms with hard plastic bottoms or no padding, as this may cause discoloration, scratching and loss of sheen.

Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Use a clean mop to clean spills, dirt buildup and other debris. Allow floor to dry before allowing foot traffic.

#### **ROUTINE MAINTENANCE**

Ensure that initial maintenance has been conducted prior to conducting routine maintenance. Flooring area must be free of dust, dirt and debris.

Mix 2-4 ounces of Excelsior NC-900 per gallon of clean, potable water. Clean floor using an Auto Scrubber with 3M 4100 White Super Polish Pads. In smaller or difficult to reach areas, use a clean mop to apply cleaning solution to floor. Rinse area with clean, cool water and allow floor to dry entirely.

#### **FINISH REMOVAL & REAPPLICATION**

Ensure that adhesive has cured for the recommended period of the floor finish may need to be regularly removed and reapplied, depending on traffic. The extent of removal will depend on the condition of the finish and whether daily maintenance has been performed to protect the finish.

Sweep or dust mop and vacuum flooring to remove any dirt, dust or debris. For a light stripping, Mix 16 ounces of Excelsior FR-920 per gallon of clean, potable water. For a normal stripping, Mix 32 ounces of Excelsior FR-920 per gallon of clean, potable water. For a heavy removal, Mix 64 ounces of Excelsior FR-920 per gallon of clean, potable water. Using a new or thoroughly cleaned mop, apply the finish remover to the flooring material and allow to remain on the surface for 10 - 20 minutes. Do not allow remover to dry onto the floor.

Using a low-speed floor buffer or swing single disc scrubber (180 – 360 RPM), scrub floor while wet using 3M 4100 White Super Polish Pad. If flooring is heavily soiled, a 3M 5100 Red Cleaning Pad may be required.

Use an auto-scrubber, wet vacuum or clean mop to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow floor to dry entirely.

Reapply Excelsior MF-940 or Excelsior GF-950 per the installation instructions in 1-2 coats. Allow each coat to dry completely before applying additional coats.

#### **FLOORING PROTECTION**

Protect newly installed flooring with construction grade paper or protective boards, such as Masonite or Ram Board, to protect flooring from damage by other trades. Do not slide or drag pallets or heavy equipment across the new flooring. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect flooring from scuffing and tearing using temporary floor protection.

All furniture casters must be made of a soft material and must have a contact point of at least 1" wide to limit indentation and flooring damage. All rolling chairs or seating must have a resilient flooring chair pad installed over the finished floor to protect floor covering. All fixed furniture legs must have permanent felt or soft rubber floor protectors installed on all contact points to reduce indentation. Floor protectors must have a flat contact point of at least 1 sq. in or 1 in. in diameter and must cover the entire bottom surface of the furniture leg.

Ensure all furniture castors and chair legs and are clean and free of any and all dirt and debris. Routinely clean chair castors and furniture legs to ensure that dirt or debris has not built up or

become embedded in castors or floor protectors. Replace chair castors and floor protectors at regular intervals, especially if they become damaged or heavily soiled. Place walk-off mats at outside entrances. Ensure mats are manufactured with non-staining backs to prevent discoloration.