

# LUXURY VINYL PLANK · INSTALLATION INSTRUCTIONS

Applicable on all Divine branded luxury fixed width and random width vinyl plank with WPC (Wood Plastic Composite) core and integrated IXPE underlayment using UNILIN Angle-Tap Locking System

Please read all instructions carefully before attempting installation. Improper installation may void the warranty.

#### **PRODUCT USE**

Voyage may be installed above, on or below grade in a floating installation method or it may be installed on or above grade in a glue down installation.

The acceptable subfloors are plywood/OSB, concrete subfloor, or simply over an acceptable smooth, single layer, hard surface existing floor covering such as: Ceramic Tile, Resilient Tile, Sheet Vinyl, wood and laminate floors which are flat, clean, in good condition and well-bonded to subfloor.

Voyage has an UNILIN Locking System (Angle-To-Angle) on the length and ends, for an easy and fast Floating Installation method.

Floating Installation saves you labor and material costs, eliminating nails/ staples, adhesive, solvent and cleaning; it also cuts down on board installation time and allows you to walk on your floor immediately after work completion.

#### INSTALLER AND OWNER RESPONSIBILITY

Prior to installation, the installer and owner must ensure that the work environment and subfloors meet or even exceed minimal specifications listed in this installation guide.

Standard trade practice allows for up to a 5% margin of error for imperfections and minor manufacturing defects. Prior to installation, the installer and owner should conduct a final inspection of products, for color, finish, sheen and manufacturing quality of planks to ensure that the floor conforms to purchased product.

Once installed, any planks are considered as having been accepted by installer and owner, even if owner is absent at time of installation. When ordering Voyage, it is recommended to order an additional 5% square footage for allowance of cutting waste.

# WARRANTY

# Structural Limited Residential Warranty.

DIVINE Flooring guarantees the original purchaser a 25 Years (Twenty-five) limited warranty on the structure of the flooring planks. The residential warranty is valid if the site environmental conditions are met, including and maintaining recommended temperature and relative humidity. Subfloor pre-installation evaluation, moisture content level requirements, subfloor preparations and subfloor leveling must all meet DIVINE Flooring requirements specified in his document.

#### FLOOR CARE PREVENTION TIPS

For information on floor care protection, prevention and maintenance, consult DIVINE Flooring Luxury Vinyl Flooring Maintenance Instructions on our website divinefloor.com.

NOTE: Voyage has an integrated IXPE underlayment that will help to correct minor subfloor imperfections, provides acoustical comfort (sound abating properties) and underfoot comfort. It is also suitable for use with radiant floor heating.

# RECOMMENDED TOOLS, MATERIAL AND ACCESSORIES

#### (Floating Installation)

- · Vacuum cleaner or broom
- Scraper
- Safety glasses
- Rubber mallet
- Flat pull bar
- Square 16" x 24"
- Measuring tape
- Chalk line
- Pencil
- Utility knife
- · Leveling bar
- Level
- Leveling compound [optional]
- #20 grit sand paper [optional]
- Wood and/or concrete moisture meter
- Drill
- Hand saw
- Miter saw (optional)
- · Jig saw
- Expansion wedges or spacers
- SURFACELIFT™ maintenance kit

# RECOMMENDED TOOLS, MATERIAL AND ACCESSORIES (Glue Down Installation)

In the case of a glue down installation, the following additional items are required:

- Recommended Adhesive: Use Bond<sup>TM</sup> Flex Adhesive
- Use Bond  $^{TM}$  notched trowel #2 (1/8 "x1/8" x1/16"). Spread rate is up to 90 sq. ft / gal.
- 100 to 150 lbs [45 to 68 kg] roller

Transition accessories including reducers, t-molding and quarter rounds are available from your DIVINE Flooring retailer or authorized dealer and at DIVINE Flooring Showroom Locations.

Note: Voyage may be installed with a direct glue-down method on approved wood subfloor or concrete subfloor. Use only BondTM Flex - multipurpose flooring adhesive for Voyage as per consultation with Divine Authorized Dealer for suitable material selection.

Note: DIVINE Flooring cannot be held responsible for any floor damage resulting from use of inadequate tools or accessories, differing from those recommended

#### HANDLING AND ACCLIMATION

The Installation of Voyage planks does not require acclimation. However it is recommended to install in rooms with temperatures between 55°F & 90°F (13°C & 32°C). The HVAC system must be on and functional before, during and after installation. Product should be stored horizontally in a dry area away from direct sunlight. Do not leave next to heat or cooling ducts. Allow the product to reach room temperature before installation.

Do not install Voyage planks where they will be exposed to temperature greater than  $140^{\circ}F$  [ $60^{\circ}C$ ].

### PRE-INSTALLATION CHECK LIST / BASIC REQUIREMENTS

- Ensure that all trades have been completed to eliminate dry wall dust, paints, etc.
- To avoid any moisture related damages, subfloor must be dry and basement well ventilated.
- For below grade installation, ensure that foundations, concrete slab or any
  adjacent objects are thoroughly leak proof. Surface drainage directing water
  away from the house or building. All gutters and downspouts should be in place.

#### **OVER RADIANT HEAT INSTALLATION**

Installation over subfloors equipped with radiant heat systems is possible. The radiant heat components must have a minimum of  $\frac{1}{2}$ " (13 mm) separation between the flooring product.

The radiant heat system must have been tested and in operation for 45 days prior to installation. The flooring surface temperature should never exceed 85°F [30°C]. Use of an in-floor temperature sensor is recommended to avoid overheating.

If you glue down the Voyage planks over a radiant heat system, you must make sure the radiant heat system is embedded into the subfloor.

- Turn off the heat for 24 hours before, during and after installation
- Floor temperature is raised gradually after installation, in 5 degree increments per day and must never exceed 85°F (30°C)

Warning: Electric heating mats must be embedded into the subfloor underneath Voyage planks. Such use could void the warranty for your floor in case of its failure.

## SUBFLOOR MOISTURE LEVEL EVALUATION

Voyage planks are water/moisture resistant; however, excessive moisture in the subfloor may promote mold, mildew, and other moisture related issues like the trapping of moisture emissions under the flooring, which may contribute to an unhealthy indoor environment.

## Wood Subfloor:

Wood subfloor moisture reading must not exceed 10%. Wood moisture meters are available at DIVINE Flooring Showroom locations and from your DIVINE Flooring Authorized dealer. If moisture reading is too high, postpone installation, find moisture source and correct it. If needed, raise heat and increase ventilation until proper subfloor conditions are met.

# Concrete Subfloor:

Prior to installation, concrete subfloor should preferably be 45 to 90 days old. Concrete moisture meter must be used to check subfloor moisture level; if the

results exceed 3.5%, calcium chloride test must be performed. The concrete subfloor moisture content must not exceed 3 lbs / 1,000 sq. ft / 24 hours. If the reading exceeds 3 lbs, use a complete moisture-proofing system [sealer and adhesive] compatible with the selected adhesive.

Please refer to the manufacturer's documentation for the selected products for information on their warranty, product limitations, and installation recommendations.

Owner and installer are solely and jointly responsible for pre-installation subfloor moisture level evaluation and must ensure that all conditions and/or specifications listed in this guide have been thoroughly met prior to installation of Voyage planks.

#### SUBFLOOR PREPARATION

All subfloors must be structurally sound, flat, dry and clean. The correct preparation of the subfloor is a major part of a successful installation.

**Structurally Sound:** Thoroughly inspect and replace existing floor or subfloor that shows evidence of water damage or structural weakness. Concrete subfloor must be just as structurally sound before installing Voyage planks and should be rated with a minimum compressive strength of 3000 psi.

**Level / Flat:** Subfloor surface must be flat and maximum tolerance is 3/16" [5 mm] per 10' [3 m]. Subfloors should not slope more than 1" (2.5 cm) per 6' (1.8 m) in any direction. Voids or humps may prevent Voyage planks from locking properly. If necessary, flatten down any irregularities and high spots, using #20 grit paper, and fill low spots with a high-performance self-leveling compound to correct any uneven spots.

Dry: Subfloor must be dry and within moisture reading specifications.

**Clean:** Scrape, broom clean, vacuum and free subfloor from any debris or obstacles such as carpet staples, adhesive residue, or any other materials to ensure proper installation.

#### **OVER EXISTING FLOOR COVERING**

Existing sheet vinyl floors should not be heavily cushioned and should not exceed more than one layer thickness. Installation is NOT allowed over any type of carpet.

Note: If you are laying Voyage over existing plank, an existing floor that has heavy embossing and grout line, etc. it will be necessary to skim coat the grout lines or the embossing with a floor leveler.

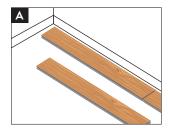
#### **INSTALLATION PREPARATION**

- Sketch your installation to avoid surprises. Decide starting point or wall.
- Remove any quarter round, baseboard, doorsill and old floor covering, when necessary.
- Trim bottom of the doorstop with handsaw to insert boards underneath.
- To enhance the floor's look, work installation from several boxes (i.e. 3 to 5 boxes)
  of flooring at the same time, and mix planks to ensure good variations in textures,
  colors and shades, and to arrange them in harmonious pattern.

NOTE: Use only glue down method for installation on stairs and vertical surfaces.

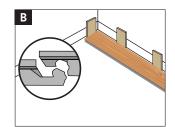
# FLOATING INSTALLATION INSTRUCTIONS - ANGLE-TO-ANGLE LOCKING SYSTEM

Wear your safety equipment and maintain a safe environment at all times



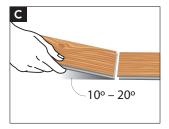
Lay a row of loose planks
(Figure A)) without

securing them to each other first to determine if you need to adjust the length of the first plank to avoid a small piece of less than 6 in (150 mm) on the opposite wall from where you started. Or, measure the length of the room and divide by 60 5/8 in (1510 mm) (length of one plank).



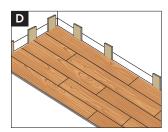
STEP 2 Installation should start in a corner (left

hand) and proceed from the wall with the tongue facing the wall.
Allow a minimum gap of 1/4 in (6 mm) for product expansion, which can be covered by molding (Figure B). Set 1/4 in spacers to create the required expansion space.

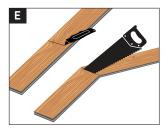


When laying the first row in a straight line interlock the short ends by inserting the tongue into the grooves at an angle of approx.

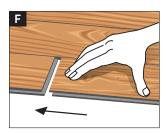
10 to 20 degrees (Figure C). Install each sequential plank on the short end 8 1/2 in (220 mm) and be sure to line up evenly. Use a rubber mallet to tap down on top of the planks on the short seam to ensure a tight fit (Figure J). This is very important for a good installation. For the final piece in the row, use a Flat Pull Bar to ensure joints are tight. Insert a spacer, remembering to maintain an expansion gap. As you progress, check all seams for a tight fit before moving on to the next row.



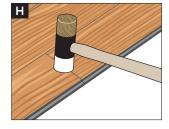
When installing Voyage planks, stagger the rows so that the short end 8 1/2 in (220 mm) seams are not in a straight uniform line. We recommend the staggered random method (Figure D). Maintain a minimum 8-inch end-joint stagger from row-to-row throughout the entire installation.

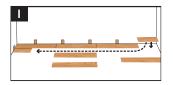


Start the second row with the plank cut at half of the length for brick pattern, or staggered so the plank is cut no shorter than 8 in (Figure E). Simply measure and mark the plank. Then using a straight edge, make several passes with a utility knife over the decorative side of the plank. Turn the plank over and use a hand saw to cut the plank.



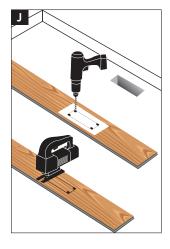






Attach the first plank of Row 2 by connecting the long side to the first row. Maintain your ¼ in expangap. Then attach the second plank by connecting the long side to the first row and sliding it up to the short end of the first plank. Then drop and lock (Figure F). To ensure a tight fit, use a tapping block and rubber mallet on the long seams (Figure G), then, tap down on top of the planks at the short seams (Figure H).

When cutting a plank to start a row, you will need to cut off the end with the groove. The remaining piece can then be used on the opposite side of the room, at the end of that row if layout permits (Figure I). For a close-up of the end joint locking mechanism see Figure B.



Fitting around irregular objects is no problem.

Simply make a pattern out of heavy paper to fit around pipes or irregular objects. Place the pattern on the plank and trace (Figure j). Drill holes along the perimeter and using a jig saw, saw out the pattern by cutting from one vertex to the next. Be sure to leave a minimum of 1/4" (6 mm) expansion space around all fixed objects, cabinetry, and metal door jams. Undercut wooden door jambs. Fill any expansion spaces around potentially wet areas such as refrigerators, tubs, and appliances with premium waterproof 100% silicone.

Installing the last row normally means you will need to cut planks lengthwise. Place the row of planks to be fit on top of the last row of installed planks. Use a divider or a piece of the plank as a scribe to trace the contour of the wall. Be sure to place a spacer between the marking pen and "scribe" piece of board. This adds the ¼" (6 mm) space you need at the finish wall. Mark where the board should be cut. If the fit at the finish wall is simple and straight, just measure for the correct width and cut. If not, see above for instructions on irregular objects. After the last row is installed, use the pull bar to tighten the joints ensuring a proper connection of locking system. When appropriate, cut the underlayment even with the top of the floor.

NOTE: For glue down installations, spread the adhesive with the appropriate notched trowel. Avoid excessive adhesive thickness by passing the trowel evenly through the adhesive at a 45 degree angle. Observe the appropriate flash time (if applicable). Lay the flooring into the adhesive, correctly position it and press down firmly. Be sure to check the back of the flooring to make certain good adhesive transfer from sub floor to flooring is achieved. Roll flooring approx. 30 min after installation with a 100 – 150 lb roller Push down raised edges approx. 30-60 min after installation.

# STEP 10 ACCESSORIES INSTALLATION

NOTE: Rooms larger than 80 feet in length require the use of coordinating T-molding transitions. When applicable, reinstall baseboards and quarter rounds, making sure to nail them to the wall and not to the Luxury Vinyl Flooring with WPC to allow free floor movement.

## **POST-INSTALLATION**

Set a few boards aside in case of future repairs.

In order to protect the floors while other trades are finishing their work prior to final cleanup, use Coverwalk™ and ONLY use 3M ScotchBlue 2080 Tape to hold to the Coverwalk™ along the perimeter.

When installation is completed, vacuum floor thoroughly, spray light mist of DIVINE Flooring RENU Cleanser on terry cloth mop and wipe clean the floor. Install flooring protection in door entrance and under appliances and furniture, before moving into place. Furniture and appliances should be moved with hand truck or hand dolly over hardboard or plywood runways. Never slide appliances or other heavy furniture across the floor. Caster wheeled chairs should have wide, rubber casters. Oil and petroleum-based products can result in surface staining. Avoid exposure to long periods of direct sunlight. Floor covering subjected to excessive heat and light is subject to thermal degradation

# divinefloor.com

For more information, please contact your DIVINE Flooring Authorized Dealer or consult our website.

If the authorized dealer is unable to resolve your inquiry,
please contact our Technical Services Department at DIVINE Flooring directly by email or phone.

# **DIVINE FLOORING**

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