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## **HARBINGER WATERPROOF ACOUSTIC CLICK ENGINEERED RIGID VINYL PLANK and ARTISAN SERIES INSTALLATION GUIDE**

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### **BEFORE YOU START**

- Agree with the client on which direction the floor boards should run since this influences the visual size ratio of the space. Installation parallel to the longest wall or with the main light-source is recommended for best visual effects.
- Pre-plan the floor by measuring the room first. If the width of the last row is less than 5 cm (2"), excluding the tongue, cut the first and the last plank in equal width.
- Prior to installation, ensure that the product received is the correct style and colour as well as to the customer's satisfaction. If there are any doubts, do not install the flooring.
- Acoustic Click ERVP and Artisan Series flooring are normally laid without adhesive. Storage should be horizontal, fully supported for a period of 24 hours prior to installation at between 16°C to 27°C (60°F to 80°F). Stack boxes no more than 3 high during this time. Protect carton corners from damage.
- Remove all furniture, appliances, and wall and doorway trim beforehand. Undercut doorway moldings to the thickness of the flooring. Be sure to check specific installation instructions for the subfloor. Remove all existing moldings.
- Acoustic Click ERVP and Artisan Series is a floating floor and should never be nailed to the substrate. Load limits and high point loads should be considered so as not to restrict floor from floating. Do not install cabinets or kitchen islands on your floating floor.
- Acoustic Click ERVP and Artisan Series flooring provide a very close fit. Very little force is required to lay the floor. An unprofessional installation can result in damage to the fixing profiles.
- For larger areas of flooring, areas up to 4000SF may be installed without transitions except in doorways and areas of significant narrowing i.e. hallways (maximum 100 linear ft in length).
- Expansion gaps should be provided. Place expansion gaps in room narrowing and in the door jambs. Cover the expansion gaps with suitable coverings.
- A minimum of 5/16" (8mm) expansion space is required around the perimeter of the room and all vertical objects.
- Evaluate rooms for full length windows/patio doors with direct-sustained sunlight in warm climates. Floor exposure to prolonged direct sunlight and temperature variation may impact the flooring locking system. Please contact your Harbinger representative for additional information.
- Slight variations in colour and structure are designed to enhance natural appearance. Mixing or shuffling the tiles during installation creates a more visually appealing pattern. Open and mix two to three cartons at a time to even out color variation and ensure random appearance.
- Check all flooring in daylight for colour, quality and visible defects before and during installation. Do not install defective material. Harbinger will not accept responsibility for claims on flooring installed with visible defects.
- Acoustic Click ERVP and Artisan Series is production run sensitive. Ensure that all planks/tiles come from the same production run. Harbinger cannot guarantee that any future replacement or additional installation will match the originally-installed product.
- Acoustic Click ERVP and Artisan Series is intended for indoor use only. Do not install where it will be exposed to temperature below -10°C (14°F) or above 50°C (122°F)
- All commercial use installations require approval by a Harbinger Representative.
- Material claims can only be accepted prior to installation

### **THE SUBFLOOR**

- Subfloors must be structurally sound, solid, stable, level, plumb and true to a tolerance in plane of 1/4" in 10 feet (6 mm in 4 m). Cracks and holes must be filled with a fast setting cement-based polymer modified patching compound or equivalent.
- The subfloor must be constructed properly with no deflection, and must be clean, dry, sound and flat.
- Any unevenness over 3/16" (4.7mm) must be sanded down or levelled. The surface must be clean of dirt, oil, glue residue etc. Carpet staples or adhesive residue should be removed prior to installation. Any bumps caused by paint or plaster drops etc. must be removed. Voids or humps in the subfloor will prevent the planks from locking properly.
- Although these luxury vinyl planks are waterproof, they are not to be used as a moisture barrier. Subfloor should be completely dry prior to installation of the vinyl floor.
- Acoustic Click ERVP and Artisan Series flooring can be installed on existing firm floors (Linoleum, PVC), but all textile floors must be removed. When laying the floor on tiles, fill the gaps with grout or patch to make the surface smooth.
- Acoustic Click ERVP and Artisan Series with attached IXPE underlay is already quiet to walk on. Using additional noise reduction will void warranty.
- Humidity tests on wooden and concrete subfloors must be undertaken before installing the product.
- Concrete subfloors shall have a minimum compressive strength of 3500 psi. Moisture vapor emission rate should not exceed 5 lb/1000 sq. ft. (2.27 kg/92.9 sq. m)/24 hours per ASTM F1869. When using the ASTM F2170 test method, the internal relative humidity should not exceed 80%, and the pH level should be between 7 and 9. The maximum allowable humidity level for a wooden subfloor is 14% using a proper moisture meter.

### Heated Sub Floor

- Radiant heat temperature must not exceed 29.4°C (85°F)
- Do not use radiant heat systems that expose the flooring to wide variations in temperature, such as wire induction mat system.
- Radiant system should be in operation for three weeks prior to flooring installation.
- The installation area of the flooring shall not contain heated and nonheated areas, unless expansion joints separate them. Keep in mind that loose rugs or carpets may accidentally function as heat insulators and raise the temperature to more than the tolerated maximum surface temperature of 29.4 °C.(85°F). Area carpet insulates i.e. increase the floor surface temperature about 2°C!
- Once installation is completed, the heat must be gradually increased by 3°C per day until the desired setting is reached
- Cable type radiant heating must be covered with a minimum ¼" screed.
- Follow the heating regulation recommendations given by the system supplier. Separate floor areas not having sub floor heating with expansion joints.
- When installing over a radiant heated floor, always use construction adhesive to attach transition pieces.

### TRANSITIONS

- Start installation from the nosing on the upper floor.
- Adhere top floor first plank along stair nosing using Powerbond Tape.
- Install Nosings using PL Premium construction adhesive, or like product.
- Bond ERVP and Artisan Series to stair treads using UZIN 2000 adhesive or Powerbond tape.

### CAUTION

If you plan to remove old resilient flooring material or any type of old adhesive, be aware that it may contain asbestos fibers or crystalline silica; therefore, avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard and local regulations may require professional removal. Instructions for the removal of old flooring materials and adhesives may be found in the National Floor Covering Association Floor Covering Reference Manual [www.floorcoveringreferencemanual.com](http://www.floorcoveringreferencemanual.com)



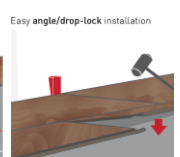
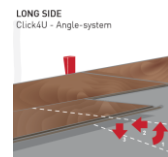
**Innovations4Flooring**  
3L TripleLock and Click4U  
One piece drop-lock system

PATENTS & TECHNOLOGIES

1. **LONG SIDE:** Start by engaging the plank on the long side (angle system). Begin laying planks/tiles from the left side of the starting wall and work to the right side. The tongue of the planks should face the starting wall.

Place ¼" (6.35mm) spacers between the short and long side of the planks/tiles and the wall. Always position one spacer between the wall and where the planks/tiles join.

The end joints of the planks/tiles in the first row are assembled by inserting the tongue side into the groove side of the previous plank/tile at a low angle. Gradually lower the plank/tile down flat until the end joint closes, ensuring that the planks/tiles are perfectly aligned. Secure using a soft face non-marking mallet. Install remaining full planks/tiles in the first row.

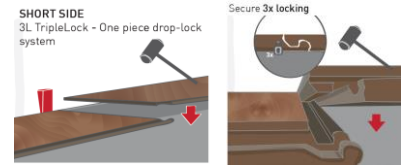


2. **SHORT SIDE:** To engage the short side, let the plank drop easily. The last plank/tile in the first row will need to be cut. Measure the distance between the wall and the surface of the last full plank/tile. Subtract ¼" (6.35 mm) from this measurement to allow for the spacer. If this measurement is less than 12" (30 cm), the first plank/tile in the row should be cut. The first and last plank/tile in each row should be at least 12" (30 cm) in length. Planks/tiles are cut using a sharp utility knife and a square. Score the surface of the plank/tile with the knife and snap the plank/tile at the score line.



3. LOCKING SYSTEM 3L TripleLock

Push with your thumb on both ends of the short side and secure using a soft face non-marking mallet. Sides should be secured with a tapping block at intervals to ensure they are fully latched. For video see [www.Harbingerfloors.com](http://www.Harbingerfloors.com)



4. The remaining piece cut off from the last plank/tile in the first row may serve as the first plank/tile in the second row provided it is at least 8" (20 cm) long. Always stagger end joints from row to row a minimum of 8" (20 cm) apart.

5. Install the long side of the first plank/tile of the second row. Place a 1/4" (6.35 mm) spacer between the wall and the short side of the plank/tile. Insert the tongue side into the groove side of the plank/ tile from the previous row at a low angle and lower flat to the substrate.

6. Install the second plank/tile of the second row. Position the long side of the plank/tile with the tongue side, fully engage into the receiver of the first row of product. Lower the plank/tile with firm pressure to the floor, ensuring that the end joint is overlapping and perfectly aligned; push the end joint downward till the end of the plank/tile snaps in place. This may require the use of a rubber mallet for it to completely lock in place. Continue installing planks/tiles in the second row. It is important to make sure that the first two rows are straight and square as they can affect the entire installation.

7. Continue working from left to right, row by row. Be sure to maintain a 1/4" (6.35 mm) space around all walls and vertical objects. To maintain a random appearance, remember to offset end joints a minimum of 8" (20 cm).

8. Transition moldings are required every 65 feet (19.81 m) in any direction and at all doorways.

9. DISENGAGE LONG SIDE

Start disengaging on the long side by lifting the plank in angle position.



10. DISENGAGE SHORT SIDE

To disengage on the short side, softly slide the planks in opposite directions.



## IMPORTANT

1. Use plywood to cover the top of the flooring when moving heavy furniture or appliances into position. Furniture and fixtures should be lifted for moving and set in place with appropriate protection to prevent damage.
2. Protect the floor covering installation against dirt and other trades. Use floor protectors under the legs of furniture and chairs. All chair casters should be checked and cleaned prior to using on the new floor. All furniture and chair legs should be clean and fitted with appropriate glides or slides to protect from damage.
3. Heavy furnishing loads placed on the locking Acoustic Click ERVP and Artisan Series can pin the product down to the substrate which may prevent the product from expanding and contracting evenly, causing side or end separation, peaking or gapping.
4. If an area is larger than 40' by 40', it is recommended that an expansion space be incorporated into the floor and covered with molding.
5. Relative humidity should be maintained between 40% and 70%.
6. Post installation temperature should be maintained between 65°F to 85°F (18.3°C to 29.4°C)
7. Avoid exposure to direct sunlight for prolonged periods. Harbinger requires the use of ultraviolet protective film, blinds, curtains or shades to assure that Harbinger products are protected from sun and are not overheated due to this exposure. This type of exposure can induce expansion which may cause buckling. A combination of excessive heat and sunlight exposure can cause most furnishings and flooring to fade and change color. Flooring that cannot be protected from direct sunlight is required to be installed with Uzin KE2000S full spread adhesive. **Failure to install Uzin KE2000S adhesive when such flooring will be exposed to direct sunlight voids all warranties, express or implied; the end user shall assume full responsibility for any failure of the flooring, and Harbinger shall be released from any claims, damages, or liabilities whatsoever arising out of or related to the failure to install the flooring with approved adhesive when the flooring is exposed to direct sunlight.**
8. After installation, check that the job site has been cleared of debris that can potentially damage Harbinger flooring. Ensure the doors can still open and close. Doors may have to be cut to supply sufficient clearance. Door jambs may need to be adapted to install the floor under them.
9. To maintain warranty coverage and ensure fast and easy warranty service, the end user is responsible for the following:
  - Keep five (5) planks/tiles of the product after installation for testing purposes.
  - Keep and be able to provide the original sales receipt or documentation illustrating proof of purchase and installation date of the product.
  - Do not install ERVP and Artisan Series where it will be exposed to temperatures below -10°C (14°F) or above 50°C (122°F) surface temperature.
  - Make sure the flooring is installed according to installation instructions.
  - Keep a list of cleaners used to maintain the flooring
10. Harbinger does not warranty any of our floating flooring products against damage from assisted mobility equipment.

## WARRANTY

Warranty guide can be obtained by contacting the retailer or visiting Harbinger's website [www.harbingerfloors.com](http://www.harbingerfloors.com) or contacting Harbinger at 1-866-646-6519