



Harbinger™ Cork Product installation Data Sheet

PLEASE READ ALL INSTRUCTIONS CAREFULLY, BEFORE YOU BEGIN INSTALLATION. IMPROPER INSTALLATION WILL VOID WARRANTY.

Preparation:

1. Store flooring and adhesive, conditioning to the area to be installed at a temperature of 65°F (18°C) for 48 hours before, during and after installation.
2. If installing over radiant heat floors, turn off the heating for 48 hours before installation starts and don't turn back on earlier than 48 hours after installation. Do not exceed the temperature of 26 °C (79 °F) measured at the surface of the cork.
3. Cork is a natural wood product and even the coloured cork product will have some shade variations due to the underlying variations of the natural cork. Before starting your project, you should shuffle the tiles to ensure that colour variations are randomly placed throughout the floor area.

WAKOL D 3540 Cork Flooring Adhesive Description

Solvent free, water based contact adhesive for the interior installation cork tiles with natural cork backing on porous and non-porous subfloors, walls and to permanently adhered, non-cushioned, clean, existing floor coverings.

Special Features

- Zero VOC
- High initial strength
- Solvent free
- Can be walked on immediately
- Extra long working time
- Suitable for chair casters
- Excellent coverage
- For radiant heated floors

Properties

Base:	Synthetic polymer and latex
VOC content:	None
Cleaning agent:	Water before adhesive cures
Open time:	30 to 45 minutes, depending on climate conditions and absorbency of substrate, allow adhesive to dry until it is clear
Working time:	2 to 3 hours; when installing precoated tiles working time is reduced to 1 to 1.5 hours
Applicator:	Loba microfiber roller # 60-80 or #120
Coverage:	475 sq ft per gallon, approximately
Jobsite conditions:	Should be according to NWFA recommendations. Doors and windows should be installed and the HVAC running to simulate the living environment climate conditions at work site: 60°F to 75°F / 15°C to 24°C, 40% to 65% relative humidity.
Curing time:	Curing takes approximately 24 hours, light traffic allowed immediately after installation
Shelf life:	1 year in unopened container at 70°F

SUBFLOORS

They shall be dry, clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer, old adhesive or any deleterious substance and debris which may prevent or reduce adhesion. ***For glue-down tiles, any small hills or bumps will telegraph through the cork floor. The final installation will only be as good as the Subfloor preparation.**

1. Mechanically sand, bead blast or scarify the substrate to completely remove all paint, loosely bonded topping, loose particles, construction debris, old adhesive and any contaminant that may prevent or reduce adhesion.
2. Remove any trace of strong acid or alkali from the substrate prior to the application of the surface product and/or the adhesive.
3. The supporting surfaces shall be dry. The moisture emission shall not exceed 3lbs / 1000s.f. /24 hrs (1.36 kg / 92.9s.m. /24 hrs) for concrete. For wood underlayment, the moisture content should meet with the requirements of the wood manufacturer and/or flooring manufacturer, generally 8-10% using a "Delmhorst Wood Moisture Tester".
4. In all cases, the structural design of floors shall not allow a deflection of more than 1/360 of span under live or dead loads.

Concrete

1. Concrete substrates shall be free of sealer or curing compound. The substrate shall be cured for a minimum of 42 days and tested for moisture emission using the anhydrous calcium chloride method. Test results shall be no more than 3lbs/1000s.f. /24 hrs (1.36kg / 92,9s.m. /24 hrs) prior to the installation of the floor covering.
2. Concrete substrates shall be finished using a flat trowel. The surface shall be sound, true and level to a tolerance in plane of 1/4" in 10 feet (6 mm in 3 m) for floors.
3. The installer shall be responsible to complete a humidity test and provide the general contractor and/or the architect with the written results prior to the execution. A humidity test has to be done at least 96 hours (4 days) prior to commencing work and the results shall not exceed 3lbs / 1000s.f. /24 hrs (1.36kg / 92.9 s.m. /24 hrs) with the anhydrous calcium chloride test.
4. All new concrete surfaces should be steel trowel finished. A moisture barrier with a permeance of less than 0.2 metric perms as measured according to the ASMT-96 standard must be present under concrete slabs that are on or below grade. This barrier must be resistant to deterioration as well as to puncture during construction and must remain intact and continuous.
5. Any repair to the concrete substrate shall be made using the proper surface preparation product specified sub-paragraph 2.1. Where self-smoothing surface preparation material is required, the

concrete shall be bead blasted or scarified. Where a fast setting screed mortar or fast setting polymer-modified premixed mortar the concrete shall be scarified.

6. Neutralize any traces of strong acid or alkali prior to application of the surface preparation product or the adhesive. PH must be below 10.

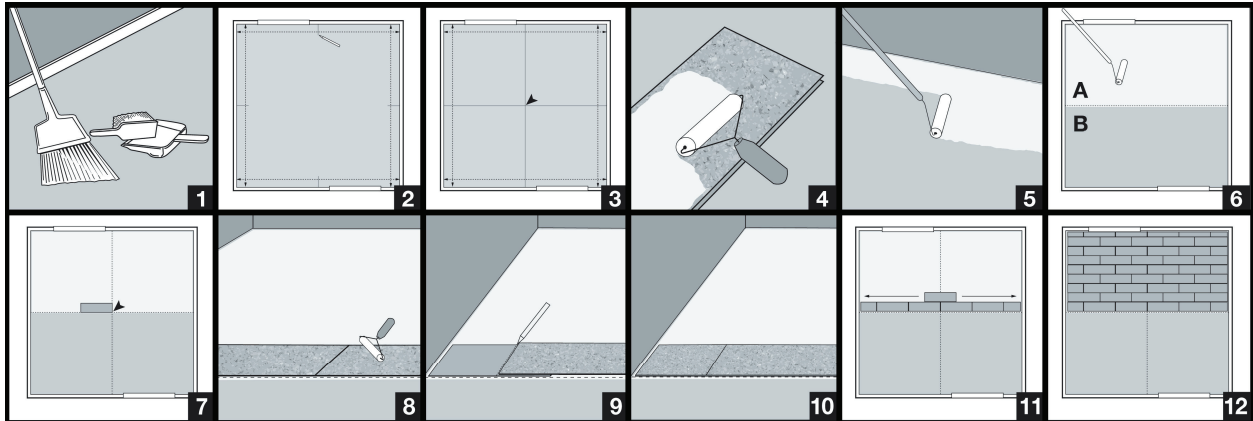
Wood underlayment

1. Particleboard, strand board and flake board are not RFCI-recommended underlayment's, therefore are not recommended for use as a substrate for Harbinger Cork Flooring.
2. Plywood substrate and underlayment shall be group 1, exterior grade plywood, CC plugged or better conforming to APA classification and U.S Product Standard PS 1-95 or a select or (SELECT) COFI classified.
3. The installation of wood underlayment shall comply with ASTM F499-84 standard.
4. All wood underlayment shall be new and acclimated for at least 48 hours to the job site condition prior to installation.
5. When required, the wood underlayment shall be filled and patched to correct seams, cracks, indentations and other subfloor irregularities using the proper products. PLANI/PATCH: Fast setting cement-based polymer modified patching compound and PLANI/PATCH PLUS: Acrylic latex additive for use with PLANI/PATCH are recommended. Other types of levelers, such as calcium sulfate/plaster/gypsum based compounds are not recommended.

Old substrates

1. Existing cement terrazzo, ceramic tile, vinyl composition tile, non-cushioned mineral fibrous felt-back sheet vinyl shall be sound, solid, well adhered, flawless, stripped or sanded clean and free of dust, wax, grease, soap residue or any deleterious substance that may reduce or prevent adhesion.
2. When installed with WAKOL D 3540 adhesive, Harbinger Cork Flooring may be installed over a single layer of non-cushioned resilient flooring provided the following conditions have been met:
 - The existing flooring must be fully adhered and well-bonded;
 - The sub floor or underlayment that is under the existing resilient floor must meet the requirements of Harbinger Cork Flooring;
 - Any cuts, gouges, dents or other irregularities in the existing floor and any existing embossing or texture must be leveled to prevent telegraphing. Embossed vinyl flooring shall be properly leveled with the PLANI/PATCH PLUS System and entire floor skim coated to ensure adhesion;
 - Any waxes or finishes must be completely removed and rinsed with clean water; and

- If existing floor has been installed over concrete, on a below grade, one calcium chloride moisture test must be performed for every 1000 square feet. The results of the test must meet the requirements of both the existing floor and the Harbinger floor. Moisture tests should be conducted over an area where the existing floor and adhesive has been completely removed



Application

- Stir adhesive well before use.
- Apply **WAKOL D 3540** contact adhesive evenly and fully to subfloor using a 10 mm roller, forming a complete adhesive film. Avoid adhesive pools.
- Tiles are pre coated with **WAKOL D 3513 Cork Pre-Coating** (shelf life up to 6 months) however the substrate must be coated at the time of installation. Be sure, that subfloor is completely covered. Allow to dry until the adhesive is clear, dry to the touch and slightly glossy. If you are unsure about the coverage a second coat may be applied once the first coat is dry.
- Wait until both adhesive films are dried and completely transparent. Set tile carefully in place and **use a White rubber mallet to secure the tile corners into the adhesive.**
- Install tiles within 3 hours after the floor is coated. If installation will take more time, an additional coat of adhesive can be applied over the first coat.
- If Harbinger Cork Flooring is installed in kitchen, washrooms and commercial high traffic areas it is recommended to apply an additional coat of **LOBA® WS 2K Supra** Two-component commercial finish for extremely high traffic areas after installation. Recoating is required when necessary to maintain wear warranty

General Information

Protection tips:

- Protectors should be installed under chair and table legs. Teflon Glides are best. Select a style with the largest surface area that will fit. Lee Valley carries these www.leevalley.com on page 116 of hardware catalogue or Hardware stores carry “Magic Glides” brand.
- When using furniture with wheels, the floor must be additionally protected by using mats.
- Heavy furniture should have felt pads or non-staining glides or casters.
- Steel wool or abrasives must not be used on the floor.
- A quality doormat at the entrance should be used to help protect the cork floor from outside grit and sand.
- Adequate protection should be taken when moving appliances or large pieces of furniture around the floor.
- Exposure to UV light and sunlight will cause colour variation to natural wood products. This is normal and is not a manufacturing flaw. Area rugs and large furniture will block light exposure and cause uneven coloration. To minimize this, furnishings and floor coverings should be moved periodically.
- This product is NOT suitable for damp rooms such as bathrooms, saunas, rooms with damp concrete, rooms with floor drains or rooms that could potentially flood.
- The following of these tips will guaranty many years of enjoyment of one of the best natural flooring.

Care and Maintenance

- Never use an abrasive, oil or ammonia-based cleaning product!
- This product is NOT suitable for damp rooms such as bathrooms, saunas, rooms with damp concrete, rooms with floor drains or rooms that could potentially flood.
- A cork floor should be treated as any quality wood flooring. As durable as cork flooring is, it must be remembered that it is still a natural product.
- Vacuum, sweep, dry or damp mop the installed floor regularly. Do not flood the floor with water.
- Clean the floor by using a damp mop or swiffer style pad regularly with LOBA® floor cleaner to clean and keep the surface free of grit or sand.
- Refresh the finish on the cork tiles on a regular basis with another coat of LOBA® 2K Supra. Inspect every 9-12 months for a residential installation and re-apply if and more frequently for a commercial installation. Frequency is dependent upon usage.
- Steam cleaning is not recommended for cork or wood flooring in general.

25 Year Residential and 10 Year Commercial Wear Warranty

Harbinger warrants all of their first quality **Harbinger Commercial Cork Tiles** to the original purchaser against “wear out” for a period of 10 years, providing the material was installed and maintained properly, and used as intended and recommended. “Wear-out” is defined as a complete removal of pattern and/or colour from normal traffic and maintenance. In the event “wear-out” occurs within ten years of the date of purchase, Harbinger will repair or provide replacement for materials, and reasonable labour costs providing professional installation was paid for when the floor was originally installed. This warranty gives you specific legal rights; you may also have other rights, which may vary from state to state and province to province. Harbinger reserves the right to have a Representative inspect the floor before any claim under this warranty is acknowledged. Warranty Claims must be made within 90 days of detection and be accompanied with the original proof of purchase.

Furthermore, Harbinger Commercial Cork Tiles are warranted to be free of any manufacturing defects. Any other implied warranty that the goods shall be fit for a particular purpose is hereby excluded. Harbinger accepts no responsibility for faulty installation or incorrect maintenance. This warranty applies to the original end user and covers only approved product applications. Warranty is valid from the date of purchase and proof of purchase is required for all claims. The guarantee against wear is restricted to wear on the surface of the cork flooring. The wear must be readily visible and cover a minimum of 10% of the installed floor. Gloss reduction is not considered wear.

Important: To keep this warranty valid:

- Care and Maintenance procedures above must be followed accordingly.
- Polyurethane coating (as recommended by your flooring retailer) must be applied once (1) per year or as required in high traffic areas.

Exclusions: The following are expressly excluded from this guarantee:

1. This warranty does not cover cracking, warping, soiling or abuse caused by items such as inline skates, roller skates, stiletto heels, golf shoes or any type of damage from pets.
2. Defects or damage caused by improper installation. Any failure as a result of improper installation is the sole responsibility of the flooring contractor and/or installer.
3. Improper product choice for the flooring use conditions.
4. Use of improper or non-recommended coatings or dressings.
5. Installation where material was not installed with Harbinger recommended adhesive in accordance with Harbinger specifications and recommended usage.
6. Damage due to improper maintenance, accidents or misuse.
7. Unapproved modification or repair.
4. Damage due to exposure to excessive heat, cold or dryness (maintain a required 40-60% humidity range).
- 8.
9. Labour on installation of material with obvious visual defects.

WARRANTY CLAIMS MUST BE MADE TO:

HARBINGER NORTH AMERICA

Toll free phone/fax 1-866-646-6519

www.harbingerfloors.com