



XCR³ CORK RUBBER FLOORING INSTALLATION INSTRUCTIONS w/ EXPANKO XCR³ ADHESIVE -or- HENRY 452 (2-PART EPOXY)

TECHNICAL SUPPORT 800.345.6202

XCR³ flooring, a unique blend of cork and rubber, is a natural product with shade variations. These shade variations are a result of the recycled cork content. It is the responsibility of the installer to blend shades. **INSTALLATION OF TILES DEEMS ACCEPTANCE OF SHADE VARIATIONS.** "Shuffle" tiles from alternate boxes to help evenly distribute any shade or color variations in tiles.

Stiletto heels, certain furniture and appliance footings may cause indentations in XCR³ which when moved will not recover completely. Use recommended glides of at least 1" in diameter on all furniture and use chair mats under chairs at desks and workstations. Do not move heavy furniture, fixtures or appliances directly across the floor. Use protective boards or other furniture moving equipment that will protect the floor.

THERE ARE 2 ADHESIVE/TROWEL OPTIONS FOR INSTALLATION OF XCR³.

For normal installations use Expanko Tile Adhesive with a 1/16" x 1/16" x 1/16" square notch trowel.

For installations with heavy rolling loads or excess surface moisture use WW Henry 452 2-part epoxy with a 1/32" x 1/32" x 1/16" U trowel.

XCR³ can also be installed using Expanko Water-based Contact Adhesive. Please contact Expanko for instructions.

SUBSTRATE FLOOR PREPARATION IS THE SAME FOR EITHER ADHESIVE. Proper substrate preparation is essential. Read the *Preinstallation Guidelines (Document ID: 010)*. If these guidelines are not followed, installation failure may occur.

- Do not install in buildings that are not climate controlled.
- All concrete floors must be tested for moisture and pH regardless of age or grade level.
Moisture Vapor Emission Level: ≤ 3 lb/1000 ft²/24 hrs; pH Level: 7-10
- Recommended for concrete vapor emissions reduction: *Ardex Moisture Control System (MCS)*
- Use only approved plywood underlayment. Do not use Luan.
- Substrate shall be flat to within the equivalent of 3/16" in 10'.
- Substrate shall be free of old adhesive, sealers, paint, coatings, finishes, dirt, film-forming curing compounds, or other substances that may affect the adhesion of the flooring.
- Prepare substrates using Ardex patching or underlayment compounds.

Acclimate adhesives and flooring at the installation site, in the area they are to be installed, for at least 72 hours (3 days) prior to installation. Temperature during acclimation period and installation shall be maintained between 65° F and 80° F and relative humidity shall be between 45% and 65%.

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Tiles can be cut with a utility knife and a straight edge. "Shuffle" tiles from alternate boxes to help evenly distribute any shade or color variations in tiles. Tiles may be laid in any desired pattern. **INSTALLATION OF TILES DEEMS ACCEPTANCE OF SHADE OR COLOR VARIATION.**

TILE INSTALLATION using Expanko XCR³ Adhesive:

1. Apply adhesive in a uniform semi-circle pattern onto substrate. When troweling do not leave ridges in the adhesive from the trowel tip. Troweled adhesive should have a consistent ridge/trowel pattern across the entire floor. Imperfect troweling may telegraph through the finished floor.
1. Lay tile into adhesive after 10 minutes; once adhesive is spread (after 10 minutes) you have approximately 45 minutes to working time. Working time has expired when adhesive ridges are no longer wet and they cannot be flattened when touched, although they will still have tack.
2. Lift tiles regularly during installation to ensure that there is at least 95% adhesive transfer to the tile. If adhesive does not transfer then the adhesive has been open too long
3. Install tiles by butting the tile to the edge of the previously laid tile. Do not set tiles into adhesive and slide them into place. Do not push tiles together forcefully or peaking may occur. Use a hand roller on all tile seams and around walls to assure proper adhesive transfer to tile.
4. Within 10 minutes after the tile has been laid, the floor must be rolled in both directions with a 100 lb roller.
5. 30 minutes after the first rolling, roll in 2 directions again. If any joints are not flat or bubbles are present, re-roll and apply weight such as sand bags to the particular area for 12 hours.

TILE INSTALLATION using Henry 452 2-Part Epoxy:

Mix and spread adhesive according to label instructions. Set tiles per instructions below:

1. Install tiles by butting the tile to the edge of the previously laid tile. Do not set tiles into adhesive and slide them into place. Do not push tiles together forcefully or peaking may occur. Use a hand roller on all tile seams and around walls to assure proper adhesive transfer to tile.
2. Within 10 minutes after the tile has been laid, the floor must be rolled in both directions with a 100 lb roller.
3. 30 minutes after the first rolling, roll in 2 directions again. If any joints are not flat or bubbles are present, re-roll and apply weight such as sand bags to the particular area for 12 hours.

Immediately after installation, remove any excess adhesive left on the floor by gently rubbing with a clean white cloth. If adhesive has dried use a well-moistened, non-abrasive pad. Do not clean XCR³ with any type of solvent-based cleaner.

AFTER INSTALLATION IS COMPLETE, XCR³ MUST BE PROTECTED TO ALLOW THE ADHESIVE TO CURE FOR AT LEAST 72 HOURS. If construction equipment, rolling carts, furniture, etc. are placed on XCR³ within the first 72 hours after installation, indentations, which may not recover,

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will occur. Wait 24 hours for adhesive to set, sweep thoroughly and then cover with brown Kraft paper and protective boards if needed.

In order to protect the floor and provide an easy to maintain surface, XCR³ needs to be stripped and finished with 4-5 coats of *Johnson Wax Professional (JWP) Carefree Matte Floor Finish (Carefree Matte)*(available from Expanko). Finishing the floor will greatly enhance the beauty of the product and extend the life of the floor. If a higher gloss level is desired, other JWP floor finishes may be used. Contact your local JWP distributor for more information.

XCR³ is lightly coated with a protective material during manufacturing, which must be removed in the cleaning process. Water will not bead up on tile when it has been sufficiently removed. **IF THIS COATING IS NOT REMOVED, THE FLOOR FINISH WILL NOT PROPERLY ADHERE TO THE TILE.**

After adhesive has been allowed to cure for at least 72 hours, sweep and vacuum the floor to remove all dirt and grit.

Damp mop the floor using *JWP GP Forward* at the recommended dilution. *GP Forward* is available from Expanko. Use a buffer or auto scrubber with a green or blue pad to scrub the floor. Do not “flood wash” or use excessive amounts of water on the floor during cleaning. After scrubbing, immediately clean up liquid from the floor and allow it to dry. Perform this cleaning process two times or more if needed.

After the floor is cleaned, rinse the floor twice with a well wring out damp mop and warm water. The floor should then be buffed with a white pad to remove any residual detergent.

Apply *JWP Carefree Matte* according to the instructions listed on the container. Expanko recommends applying 4-5 thin coats of *Carefree Matte*. For certain high traffic commercial applications including health care facilities, sealing the floor first with a sealer such as *JWP Over and Under* is recommended prior to the application of the *Carefree Matte*. *Over and Under* will provide additional resistance from potentially damaging materials used in these facilities.

Preinstallation Guidelines (Document ID:010) and *XCR³ Care and Maintenance Instructions (Document ID: 211)* sited are available at www.expanko.com.

Maintenance products available from Expanko:
JWP GP Forward
JWP Carefree Matte