



XCR⁴ CORK RUBBER FLOORING INSTALLATION INSTRUCTIONS w/ EXPANKO XCR ADHESIVE -or- HENRY 452 (2-PART EPOXY)

TECHNICAL SUPPORT 800.345.6202

A. INTRODUCTION

XCR⁴ 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 XCR⁴. As with all resilient flooring, complete recovery should not be expected. 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. Do not use XCR⁴ in areas where cooking oils, vegetable fats, oil or grease may be spilled or tracked on to the surface.

B. SELECTING AN ADHESIVE

For normal installations use Expanko Tile Adhesive with a 1/16" x 1/32" x 1/32" U-notch trowel.

For installations with heavy point loads, rolling loads (i.e. furniture, fixtures, hospital beds, etc) or excess surface moisture use WW Henry 452 2-part epoxy with a 1/32" x 1/32" x 1/16" U trowel.

XCR⁴ can also be installed using Expanko Water-based Contact Adhesive. Please contact Expanko for instructions.

C. PREPARING AND TESTING THE SUBSTRATE

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, filmforming curing compounds, or other substances that may affect the adhesion of the flooring.
- Prepare substrates using Ardex patching or underlayment compounds.

D. PRODUCT ACCLIMATION

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%.

E. INSTALLATION INSTRUCTIONS

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.

Do not slide tiles into place as adhesive may be forced up between tiles, preventing tight seams.

1. TILE INSTALLATION using Expanko XCR³ Adhesive:

- a. 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.
- b. 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.
- c. 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
- d. Install tiles by butting the tile to the edge of the previously laid tile. Fit the tiles “next” to one another and do not set tiles into adhesive and slide into place. Sliding tiles into place may force the adhesive up between tiles, preventing tight seams or result in peaking. Use a hand roller on all tile seams and around walls to assure proper adhesive transfer to tile.
- e. Within 10 minutes after the tile has been laid, the floor must be rolled in both directions with a 100 lb roller.
- f. 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.

2. TILE INSTALLATION using Henry 452 2-Part Epoxy:

- a. Mix and spread adhesive according to label instructions. Set tiles following steps 4, 5 & 6 listed in the previous section.
- b. Remove any excess wet adhesive on the tile surface by gently rubbing with a clean white cloth. Dried adhesive may be removed by using a well-moistened, non-abrasive pad. Do not clean XCR⁴ with any type of solvent-based cleaner.

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INSTALLATION INSTRUCTIONS (#210)**

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F. AFTER INSTALLATION

XCR⁴ MUST BE PROTECTED TO ALLOW THE ADHESIVE TO CURE. Do not walk on the floor for 12 hours. Don not reset furniture or fixtures for 48-72 hours. If construction activity will continue after installation, wait 24 hours for adhesive to set, sweep thoroughly and then cover with brown Kraft paper and protective boards if needed.

Preinstallation Guidelines (Document ID:010) and XCR⁴ Care and Maintenance Instructions (Document ID: 211) sited are available at www.expanko.com or by request sales@expanko.com.