



## **AND/OR RUBBER CORK TILES INSTALLATION INSTRUCTIONS**

**If Capri approved substrates, adhesives and/or finishes are not used when installing AND/OR rubber cork flooring; the Capri warranty is null and void.**

**No substrates other than those listed and described in these instructions are acceptable; these requirements also apply when AND/OR is being installed over access flooring. Please contact Capri Technical Department prior to installing over access flooring.**

Tiles Storage: minimum 55° F, less than 50% humidity.  
New Concrete: 30 days cure prior to installation of rubber.

Recommended Adhesive: Chemrex CX-941 adhesive, available from Capri. **Recommended Trowel: 1/16" x 1/16" x 1/16" V notch trowel.**

**IMPORTANT – BEFORE ANY INSTALLATION IS STARTED BE SURE TO:** Verify the product type, size, thickness, color. Check for any visual defects.

**Skive / Knife marks on product is an inherent characteristic of using recycled rubber and is not considered a defect.**

Any suspect defective material must be brought to the attention of your material provider. **NO CLAIMS WILL BE ACCEPTED AFTER THE MATERIAL HAS BEEN INSTALLED.**

Installation of the rubber flooring will be only as good as the substrate it goes over. If substrate is uneven, rubber will not lay flat. **WET, GREASY, ETC. SUB-STRATES IS THE FIRST MAJOR CAUSE OF BONDING FAILURE.**

### **PREPARATION OF SUBSTRATE:**

For detailed substrate preparation instructions please refer to Capri document CC005.

All substrates should be cleaned, dry, smooth, level and structurally sound. Substrate should be free of dust, solvent, paint, wax, oil, grease, sealers, old adhesives or other materials according to ASTM 710. Before installing any materials make sure that the area is completely dry and level 3/16" in 10 feet; do calcium chloride test and check for pH level. Moisture should not exceed 3 lbs/ 1000 sq ft; pH level should be 7-10.

**Concrete floors:** If floor is uneven, level it with a Portland based patching compound. If floor is new, be sure it is completely dry (several months curing is preferred). Sweep area clean. Slab should adhere to ASTM F1869 for water

vapor emissions. Cracks, expansion joints and uneven areas should be filled.

**Wood floors:** Wood substrates must have a minimum 18" of cross ventilated space between the bottom of the joist and the ground. Crawl spaces shall be insulated and protected by a vapor barrier. If needed, floor may be covered with ¼" or thicker A.P.A. approved underlayment plywood.

An adhesive bond test should be completed in several locations across the floor. Glue down 2' x 2' pieces of material with recommended adhesive and trowel and let set for 48 hours before trying to remove. It should be relatively difficult to pull tile up and there should be adhesive on the floor and the tile.

### **JOB SITE CONDITIONS AND MATERIAL ACCLIMATION:**

All trades must be out of the area before installation begins. After installation is complete if other trades will work in the area, appropriate protective cover should be placed on the floor prior to any work. Area where flooring is to be installed should be temperature controlled between 65° and 75° F for 48 hours prior to, during and after installation. The material must be placed in the area to be installed 24 hours before starting installation.

Establish the room center and snap chalk line across the narrow dimension of the room on each side of the center. A 72" wide course across the room is established by these two lines.

### **INSTALLATION:**

**AND/OR TILES HAVE DIRECTIONAL ARROWS printed on the back of the tiles. TILES NEED TO BE INSTALLED WITH THE ARROWS pointing IN THE SAME DIRECTION.**

1. Lay out AND/OR tiles for at least 12 hours before installation. Rubber will expand and contract with temperature and humidity changes and tiles need to properly acclimate.

The tiles should be "DRY LAID" with all arrows pointing in the same direction.

AND/OR is made from recycled materials. Slight variations of shades and dispersion of color chips is inherent. Any questionable tiles should be reported before installation. It is the installer's responsibility to blend shade variations.

2. Spread rate of the CX-941 adhesive is 80 square feet per gallon. The typical open-time is 45-60 minutes at 75 °F and 50% relative humidity.

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CAUTION: Open-Time will vary according to air and surface temperature, relative humidity and porosity of substrate. High temperatures and low humidity will cause the adhesive to set up quickly. Low temperatures and low humidity will cause adhesive to cure at a slower rate. It is up to the installer to monitor on site conditions and adjust accordingly. DO NOT LET ADHESIVE SKIM OVER.

3. Apply adhesive using a 1/16" x 1/16" x 1/16" V notch trowel. Use a new trowel for each new pail of adhesive, DO NOT RE-NOTCH THE TROWEL.

4. Laying AND/OR tiles – one unit of adhesive should be spread and the tiles installed, cut to vertical surfaces, and rolled before more adhesive is used. Use a 75 lb roller (a roller heavier than 75 lbs may cause tiles to stretch). The object is to establish the first course of installed tiles across the room, making sure this course is properly set and even before continuing.

5. Install one row of tiles, closely following one of the chalk lines. Start the first full tile about 1" short of a full tile from the wall.

TIP: When the first course is completely installed, cut to walls, and rolled, start the second 72" course on one side of the starting course and continue the installation. The third starting course installed should be on the opposite side of the starting course. By alternating sides from the starting course, maximum time is allowed for the adhesive to harden before installer traffic is forced onto the tiles.

6. Install the second row of tiles starting midway between the joint of the first two tiles to establish a "BRICK WALL" pattern. Installing by this method eliminates pressure on the tile corners and results in a better match at the seams.

TIP: During the installation of the second, third and subsequent courses it will be necessary to work on the newly installed tiles. As mentioned before, tiles can easily be kicked out of place. It will most likely be necessary to tape tiles together more often than not in order to keep them in place during the job.

7. Install as many full tiles as the adhesive spread will allow.

TIP: Always be alert for tiles that may have been moved out of place; firm them gently into place.

8. Avoid traffic on the newly installed tiles. Adhesive is slippery when first spread and the tiles will shift position even if only slightly disturbed.

9. All tiles for the first 72" course will be installed and rolled while the workers are standing/walking/kneeling on the bare concrete on either side of the course.

10. Tiles should be laid in place naturally so as to insure good contact with close, even joints. DO NOT EXERT PRESSURE on the tiles.

11. If tiles do not meet perfectly and need to be held together, **blue tape** can be used. Do not use duct tape or any other tape as it may leave a residue. Remove blue tape after adhesive has set (approximately 8-12 hours).

12. Roll the floor as soon as possible after laying; roll the tiles with a 75 lb sectional roller to insure proper transfer of adhesive to the back of the tile.

13. Roll the tiles the length of the course and across the course. Be sure to roll the floor while the adhesive is still soft. FAILURE TO ROLL THE TILES WHILE ADHESIVE IS STILL SOFT IS THE SECOND MAJOR CAUSE OF BONDING FAILURE.

Use hand roller in areas where larger roller can not reach, as well as on all seams after the floor has been rolled. If there is some gapping in the seams the **blue tape** can be used to pull the seam together. If there are edges that are not staying down they can be sandbagged overnight. Once the adhesive has set the tape should be removed (approximately 8-12 hours).

If adhesive has come up between the seam, immediately clean with a damp rag and mineral spirits. Cured adhesive on the flooring product is very difficult to clean up. Any adhesive that gets on the top of the tiles can be removed while still soft with a soaked rag of denatured alcohol. Any adhesive outside the installed field of tiles should be removed before leaving the job at the end of the day. The next day it will be very hard and need to be chipped away before starting work.

**ALLOW NO FOOT TRAFFIC or ROLLING LOADS FOR AT LEAST 24 HOURS.** Indentations in adhesive which occur prior to the adhesive curing (72 hours) will be permanent.

**AND/OR requires a protective coating.** There are 3 approved protective coating choices for AND/OR.

**NEWLY INSTALLED FLOORS: Initial cleaning should not take place until 36 hours after installation of AND/OR.** This initial cleaning of the new floor is very important. This cleaning is done to remove any dirt and grit from job site. Failure to clean properly will cause finish bonding issues as well as the entrapment of dirt in the floor. Use a neutral floor cleaner (available from Capri).

1. Remove coarse dirt with a sweeping brush or vacuum cleaner.
2. Apply the cleaner to the floor area, distribute and allow to stand for approximately 10 minutes.
3. Clean the floor surface using an automated scrubber, or scrubbing brush.
4. Take up the loosened dirt with a mop or shop vac.

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5. Mop the floor with clear water until completely clean.
6. Once initial cleaning is done and the floor is completely dry the protective coating can be applied.

There are 3 approved protective coating choices for AND/OR: **Carefree Matte Mop on Acrylic Sealer, Hilway Direct Mop on Acrylic Sealer and Dr. Schutz Water-based Urethanes** (all available from Capri).

**Once initial cleaning is done and the floor is completely dry the protective coating can be applied.**

### APPLICATION OF APPROVED PROTECTIVE COATINGS

#### Application of Hilway Direct Mop on Acrylic Sealer:

1. Before applying sealer, make sure that the floor surface is properly prepared.
2. Shake Hilway Direct Sealer well before use.
3. Apply an even, thin, undiluted coat to the surface of the cleaned floor using a new, clean string mop. It is important to pass the mop head in a figure 8 pattern to ensure that all areas are thoroughly covered.
4. When the protective film has dried enough to walk on (approximately 1 hour), repeat the procedure in the crossways direction.
5. Allow the film to dry for at least 12 hours before the floor is walked on, better still would be overnight.

#### Carefree Matte Mop on Acrylic

Notes for Carefree Matte:

1. Do not dilute.
2. Do not use on surfaces colder than 50° F / 10° C.
3. To avoid contamination, do not return unused finish to original container.
4. To maintain matte appearance, do not buff with high speed machines (1500-3000).

#### Application of Carefree Matte Mop on Acrylic

1. Apply 2-3 coats using a clean mop.
2. Apply an even, thin, undiluted coat to the surface of the cleaned floor using a new, clean string mop. It is important to pass the mop head in a figure 8 pattern to ensure that all areas are thoroughly covered.
3. Allow 30 minutes drying time between coats. Note: Temperature, humidity and ventilation may affect drying time.

**FOR APPLICATION INSTRUCTIONS FOR DR. SCHUTZ WAXNOMOR, MARKNOMOR, AND SLIPNOMOR REFER TO AND/OR DOCUMENT AD612DS**

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**Regardless of protective coating regular maintenance of Re-Tire is required.**

#### REGULAR MAINTENANCE OF AND/OR:

1. Sweep or vacuum the floor daily.
2. Spot clean as needed.

3. For floors finished with Carefree Matte and Hilway Direct clean with a neutral floor cleaner (available from Capri). For floors finished with Dr. Schutz Waxnomor, Marknomor or Slipnomor, clean with Dr. Schutz Cleaner (available from Capri).

4. Dilute the cleaner according to cleaner instructions.
5. If a scrubbing machine is used to clean floors, use a white pad at a low speed.

### RE-COATING / MAINTENANCE COATS

Re-application of protective coatings is part of a regular maintenance program. Floor coatings need to be recoated periodically with frequency being determined by usage.

**Please refer to document AD606 for complete instructions on cleaning and re-application of coatings. AD606 is available at [capricork.com](http://capricork.com) or by calling 800.492.2613.**

For questions or clarification about these instructions, please contact Capri tech department at 800.492.2613.