

SPECIFICATION DATA



1. PRODUCT NAME

Avaire® Floating Porcelain Tile System

2. MANUFACTURER

Avaire® by CoMc
13423 F Street
Omaha, NE 68137
866-416-7627
E-Mail: info@avairefloors.com
Web: www.avairefloors.com

3. PRODUCT DESCRIPTION

Avaire® is floating porcelain tile system consisting of porcelain tile adhered to a patent-pending, interlocking tray with a non-skid, rubberized sound-deadening grid that is a self-leveling and crack isolating system.

Basic Use:

Avaire® is a floating floor system, and may be installed on or below grade directly over vinyl, wood, concrete, and ceramic floors.

Porcelain tile that is permanently adhered to an injection molded tray. The patent-pending tray is designed with a non-skid, sound deadening, crack-isolating grid that allows **Avaire**® to be placed directly over almost any hard-surface subfloor. The tray also features 8 interlocking tabs on each side. These tabs allow the individual tiles to “snap” together when installing, providing consistent 1/4-inch grout width spacing between tiles.

Specially formulated grout is necessary for installation. **Avaire**® Flexible Grout is Urethane-based and comes ready to use. It is designed to handle substrate movement, as well as the environmental and temperature shifts that cement and epoxies cannot handle. It is self-sealing and guaranteed not to fade.

Radiant Heating: QuietWarmth® replaces typical floating floor underlayments, making the total overall thickness from subfloor to floor surface only around 3/8-inch. Plus there's no need to bury the system in mortar or concrete. **Avaire**® can be installed over any properly operating floor heating system that does not exceed 85 degrees F.

Composition and Materials:

Porcelain Tiles: 12"x12" can be installed in horizontal, diagonal, and brick patterns. Available in an assortment of designer tile colors.

Porcelain Tiles: 6"x6" can be installed with 12"x12" tiles to create any number of patterns. Available in an assortment of designer colors.

Flexible Grout: Pre-mixed in a variety of colors.

Adhesive: Eclectic E-6000.

Avaire® tiles contain recycled materials, contact manufacturer for more information.

4. TECHNICAL DATA

Physical Testing:

ASTM C627 (Robinson Test) provides a standardized testing method used to evaluate the durability of flooring

materials by simulating actual usage.

Light Commercial Rating:

Passed Cycle 6 of ASTM 627 (Robinson Test) and achieved a "light commercial" rating.

Heavy Residential Rating:

Passed Cycle 6 of the Robinson Test and achieved a "heavy residential" rating over a 3/4-inch OSB - sub-floor, 16-inches oc.

Impact Insulation Class (IIC):

Condominiums and apartments require minimum levels of sound insulation maintained by a given flooring unit. The Impact Insulation Class (IIC) Test is one method for measuring this. **Avaire**[®] earned a rating of 58.

Co-efficient of Friction: Greater than 0.6.

Porcelain Enamel Institute (PEI) rating: 4.

5. INSTALLATION

Preparation:

Remove existing carpeting, padding, base or quarter round moldings. Do not remove existing resilient floor covering as it may contain asbestos.

Door casings and jambs should be undercut. To ensure proper door clearance, cut or plane the bottom of the door to accommodate the change in floor height.

Sub-floor must be flat within a tolerance of 1/4-inch in 10-feet or 1/8-inch in 6-feet. High spots should be planed or sanded, and low spots filled using a portland cement based leveling compound.

Sub-floor must be clean, smooth, dry, and structurally sound before installing tile.

A minimum thickness of 23/32-inch (3/4-inch) wood sub-floor is required over 16-inch or 19.2-inch o.c. joist spacing. A minimum thickness of 27/32-inch (7/8-inch) wood sub-floor is required over 24-inch o.c. joist spacing. Maximum deflection allowed of 1/360 of span.

Application:

Avaire[®] can be installed in straight, staggered, or diagonal patterns. Additionally, 12"x12" and 6"x6" tiles can be integrated together to create any number of patterns. Variation of shades is inherent in porcelain tile. Tiles should be mixed from several cartons as it is installed.

Avaire[®] tile can be installed starting in the center of the room or at a wall. When installing **Avaire**[®] across two or more rooms, a T-mold transition should be used across doorways and openings.

Avaire[®] can be installed over most types of radiant heat flooring, including QuietWarmth[®], a heated underlayment designed specifically for floating floors.

Limitations:

The **Avaire**[®] System is designed for indoor environments, and should not be installed in areas reaching temperatures below 32 degrees F or above 110 degrees F. When used in 3-season rooms, the floor should be protected from moisture.

Avaire[®] is designed for indoor environments, and should not be installed in wet areas such as shower floors, saunas, and steam rooms.

Avaire® should not be installed above heating systems that could expose the grid to temperatures above 115° F

Avaire® should not be installed on walls or ceilings.

Precautions:

Avaire® must be installed using only **Avaire®** Flexible Grout. Other grouts are not sufficiently flexible to handle the movement associated with a floating surface, and will fail.

6. AVAILABILITY AND COST

Availability:

Contact manufacturer for local **Avaire®** representative.

Cost: Contact **Avaire®** for current pricing.

Distribution:

See website for distributor locations.

7. WARRANTY

5-year limited warranty subject to conditions and exclusions listed on website.

8. MAINTENANCE

Avaire® Flexible Grout may be cleaned using a mild cleaning detergent. For hard to remove grout stains, Softscrub® with bleach works well.

KrudKutter® is recommended for removing stubborn grout haze during installation.

Cleaners containing enzymes or vinegar should not be used.

9. TECHNICAL SERVICES

Avaire® offers the following technical resources:

- Technical data sheets
- MSDS sheets
- CSI 3-part specification in Word, WordPerfect, and PDF.
- Installation guides
- Installation videos

10. ADDITIONAL INFORMATION

Website: www.avairefloors.com