

AZROCK

1. Product Name

Azrock Vinyl Composition Tile (VCT)

- Cortina Colors
- Cortina Complements
- Cortina SD
- Solids
- Classic Granite
- Classic Granite SR
- Nouveau Granite®
- Nouveau Granite® SR
- Thru-Quartz
- CortinaStone

2. Manufacturer

Azrock
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3. Product Description

BASIC USE

Azrock Vinyl Composition Tile (VCT) is recommended for use in high traffic applications where a smooth surfaced, easily maintained, durable, long-wearing floor is required. Recommended areas of use are:

- School offices, classrooms and corridors
- Commercial office areas
- Hospital lobbies, patient rooms and corridors
- Retail stores

COMPOSITION & MATERIALS

Azrock resilient floor tile is available in a 1/8" (3.2 mm) nominal thickness. Selected Cortina Colors tile is also available in a 3/32" (2.4 mm) thickness. Color and pattern details are dispersed uniformly throughout the thickness of the product.

SIZES

- Nominal overall thickness - 1/8" (3.2 mm)
- Size - All styles of VCT come in a 12" x 12" (305 x 305 mm) size
- Area per carton - 45 ft² (4.2 m²)
- Weight per carton - 62 lb (28 kg)

COLORS

- Cortina Colors - 53 colors
- Cortina Complements - 7 colors
- Cortina SD - 3 colors
- Solids - 16 colors
- Classic Granite - 9 colors
- Classic Granite SR - 9 colors
- Nouveau Granite® - 5 colors
- Nouveau Granite® SR - 5 colors
- Thru-Quartz - 15 colors
- CortinaStone - 14 colors
- See manufacturer's color charts or actual samples before final selection

LIMITATIONS

These products are unsuitable for concrete substrates where hydrostatic pressure or excessively alkaline conditions exist. Concrete floors containing curing agents, sealers or hardeners are not suitable. Do not install over gypsum type underlayment or patching compounds.

Unsuitable substrates or any other conditions that are obviously unsuited to good installation should not be considered acceptable, even if those conditions are not listed in the paragraph above.

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine
- ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
- ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
- ASTM F150 Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM F970 Standard Test Method for Static Load Limit
- ASTM F1066 Standard Specification for Vinyl Composition Floor Tile
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride

APPROVALS

Consult manufacturer for current information on compliance with requirements of specific agencies and/or building code jurisdictions.

PHYSICAL/CHEMICAL PROPERTIES

- Product classification (ASTM F1066) - Class 2 Through Pattern
- Static load limit (ASTM F970) (all products except Cortina SD) - ≥ 125 psi (861 kPa)
- Static load limit (ASTM F970) (Cortina SD) - 75 psi (517 kPa)
- Static coefficient of friction (ASTM D2047) - 0.5
- Static dissipative results (ASTM F150) (Cortina SD) - Approximately 10⁷ ohms

Azrock VCT exceeds minimum requirement of 0.5 static coefficient of friction per ASTM D2047. Although Azrock VCT meets the recommendations for a safe walking surface, tiles are always maintained with floor polish. Contact the polish manufacturer for slip resistance qualities of the floor polish to be used.

Test reports and additional product information are available upon request.

FIRE PERFORMANCE

- Flooring radiant panel test (ASTM E648) - ≥ 1.0 critical radiant flux
- Smoke density test (ASTM E662) - Less than 450

5. Installation

PREPARATORY WORK

Refer to the latest edition of the Azrock Installation and Maintenance Manual for complete information. Handle and store product according to Azrock recommendations.

Maintain minimum air temperature of 65 degrees F (18 degrees C) at flooring installation area for a minimum 2 days prior to, during and for minimum 24 hours after installation of flooring tile. Store flooring materials in area of application and allow 2 days for material to reach the ambient temperature of the installation area.

Construct concrete floors in accordance with the American Concrete Institute (ACI) 302.1 R-96 Guide for Concrete Floor and Slab Construction. Floors must be finished and cured according to ACI with a minimum compressive strength of 3500 psi (24 MPa).

Floors must be dry, clean and smooth. Any surface materials such as paint, wax, grease, oil, adhesive residues, etc., must be removed. Floors must be free of any sealers, curing, hardening or parting compounds that would adversely affect the adhesive used with the

flooring. Installation of a moisture barrier, such as 1/8" (3.2 mm) Sealtight®, manufactured by W.R. Meadows Inc., or similar product, is recommended prior to placement of on-grade or below-grade slabs. Moisture vapor transmission must not exceed 5 lb/1000 ft²/24 hours when tested according to ASTM F1869 (Anhydrous Calcium Chloride Test). Surface pH of concrete slabs should be no greater than 9. As a general rule, a 4" (102 mm) thick slab will require a 3 month drying time before moisture tests are performed.

METHODS

Wood floors must be double construction with a minimum thickness of 1" (25.4 mm). The top layer of wood should be American Plywood Association (APA) Underlayment Grade Plywood or other underlayment panel approved and warranted for use beneath resilient flooring.

Adhere flooring with Domco Tarkett 100 Clear Thin Spread Adhesive. Apply adhesive with a notched trowel with notches 1/32" deep x 1/16" wide x 1/32" apart.

PRECAUTIONS

Gypsum type patching compounds and underlayments are not recommended. Azrock will not accept responsibility for flooring failures related to the use of gypsum type patching compounds and underlayments.

6. Availability & Cost

AVAILABILITY

These products are marketed throughout the United States, Canada and many foreign countries. Contact manufacturer for information on local availability.

COST

Approximate installed cost/ff² (US \$):

- Cortina SD - \$5.45 - \$6.30
- Cortina Colors - \$1.20 - \$1.80 (1/8" gauge); \$1.15 - \$1.60 (3/32" gauge)
- Cortina Complement - \$1.20 - \$1.80
- Classic Granite - \$1.75 - \$2.40
- Classic Granite SR - \$2.40 - \$3.15
- Nouveau Granite - \$1.75 - \$2.40
- Nouveau Granite SR - \$2.40 - \$3.15
- Thru-Quartz - \$1.60 - \$2.25
- Alvarado - \$1.40 - \$2.05
- Solids - \$2.20 - \$3.00
- CortinaStone - \$1.80 - \$2.35

Variations may result from competitive bidding depending on local labor costs, job conditions, extent of floor preparation, etc. Budget installed cost information may be obtained

from a local Azrock distributor or from the manufacturer.

7. Warranty

Azrock VCT is warranted to be free of manufacturing defects for 5 years from installation. Refer to Azrock Commercial Products Limited Warranty.

8. Maintenance

One of the main reasons for the popularity of Azrock VCT is the minimal effort required to keep the tiles clean and attractive. A new tile floor should not be washed until it has become tightly adhered to the subfloor. This will generally take a week or longer, depending on room temperature and the temperature of the subfloor. In the meantime, sweep or vacuum the flooring to remove loose grit or debris and wipe clean with a damp mop. Spots of adhesive can be removed with a clean, white cloth dampened with mineral spirits. Use caution when handling flammable solvents.

Note - Stop dirt in the doorway. By doing so, time, work and money are saved. The use of nonstaining walk-off mats at all heavy traffic entrances is recommended. Mats should wipe dirt and grit from shoes and allow particles to fall beneath the mat surface, preventing accumulated dirt from being tracked into the building. Frequency of maintenance will always vary depending on the traffic and use. Do not use abrasive cleaners. Use Domco Tarkett Commercial maintenance products or their equivalent.

Initial Cleanup/Daily Care

Sweep or vacuum to remove loose dirt. Allow treated mops to dry overnight before reusing. Wash floor with a neutral floor cleaner. If the floor was subjected to excess dirt and heavy traffic before initial maintenance, use a wax stripping solution to clean floor. Use a standard scrubbing machine or an automatic scrubber with a red polyester scrubbing pad. Rinse the floor with clean water and wet vacuum or mop dry. The floor must be thoroughly rinsed to remove all detergent.

Surface Treatment

Apply 3 - 5 coats of a good quality, acrylic floor polish. The use of a sealer prior to application of floor polish is optional. Floor polishes should be applied and maintained according to the instructions of their manufacturer.

Spot Removal

Spills and spots should be cleaned up while still fresh. Use a red polyester pad moistened with detergent.

Precautions

Do not use acetone or similar materials to clean floors. Furniture rests, cart wheels and tires should be made of soft, nonstaining rubber and should be large enough to fully dissipate the load. Use plywood panels to protect flooring from damage that may occur when moving heavy objects directly over flooring. The use of dollies may not be sufficient protection from heavy loads.

A detailed maintenance manual is available from Azrock.

9. Technical Services

A staff of factory trained service personnel offers design assistance and technical support. For technical assistance, contact the Azrock Technical Service Department.

10. Filing Systems

- Sweet's Catalog Files
- Additional product information is available from the manufacturer upon request.