

UPOFLOOR Quartz Tile
Architectural Guide Specification
CSI/CSC Section Format [3-part]
CSI Page Format

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This is a manufacturer specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications.

Specifier should edit guide specifications in accordance with project requirements. All imperial dimensions are approximate. Products are manufactured to exact metric standards. Optional text is indicated by brackets []. Delete optional text in final copy of specification. Add or modify text as required. Specifier Notes typically precede specification text:

Delete notes in final version of specification.

Revise below to suit project requirements, specification practices and section content. Refer to CSI/CSC Master Format for other section numbers and titles. The specifier is responsible for the accuracy of all project specifications, including any UPOFLOOR guide specifications used.

The designer/specifier is responsible for product selection as well as the use and application of this information, and should contact the manufacturer to ensure that models, types, finishes, etc. are available in the United States and that the associated specification information is valid and correct. UPOFLOOR shall not be liable for any damages arising out of the use of its guide specifications.

SECTION 09653
RESILIENT TILE FLOORING
(Heavy Duty Tile Flooring)

PART 1 GENERAL

1.01 SUMMARY

- A. This Section includes: Heavy duty resilient tile flooring.
- B. Conform with requirements of all Sections of Division 1, General Requirements, as it applies to the work of this Section.

1.02 RELATED SECTIONS

- A. Section(s) related to this Section include:
 - 1. Concrete: Division 3.
 - 2. Wood & Plastics: Division 6.
 - 3. Thermal & Moisture Protection: Division 7.
 - 4. Mechanical: Division 15.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Division 1 References Section may establish the edition date of standards. This Article does not require compliance with standard, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

1.03 REFERENCES

- A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.

- B. American Society for Testing & Materials (ASTM):
 - 1. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.
 - 2. ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
 - 3. ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
 - 4. ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
 - 5. ASTM F970 Standard Test Method for Static Load Limit.
 - 6. ASTM F1482 Standard Guide to Wood Underlayment Products Available for Use under Resilient Flooring.
 - 7. ASTM F1066 Standard Specification for Vinyl Composition Floor Tile.
 - 8. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
 - 9. ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.

- C. Resilient Floor Covering Institute (RFCI)
 - 1. RFCI Standard Slab Moisture Test Method (Calcium Chloride Method).

1.04 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide heavy duty quartz tile flooring which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.05 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's information, for specified products.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including drain details, accessories, finish colors, patterns and textures.
- D. Samples: Submit selection and verification samples for finishes, colors and textures.
- E. Quality Assurance Submittals: Submit the following:

1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
2. Manufacturer's Instructions: Current published manufacturer's installation and maintenance instructions.

Specifier Note: Coordinate paragraph below with Part 3 Field Quality Requirements Article herein. Retain or delete as applicable.

3. Manufacturer's Field Reports: Manufacturer's field reports specified herein.

- F. Closeout Submittals: Submit the following:
 1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.
 2. Warranty: Warranty documents specified herein.

1.06 QUALITY ASSURANCE

- A. Installer Qualifications: Experienced in performing work of this section and who is specialized in the installation of work similar to that required for this project. Installation of UPOFLOOR Quartz Tile should follow the instructions detailed in the UPOFLOOR Quartz Tile Installation Guide.
 1. Training: Installer who has attended an UPOFLOOR installation training clinic.

Specifier Note: Retain paragraph below for erected assemblies required for review of construction, coordination of work of several sections, testing or observation of operation.

- B. Mock-ups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods, including concrete substrate testing. Obtain Owner's and Consultant's acceptance of finish color, texture and pattern, and workmanship standards.

Specifier Note: Edit paragraph below to specifying mock-up size.

1. Mock-up Size: [Specify mock-up size].
2. Maintenance: Maintain mock-up during construction for workmanship comparison; remove and legally dispose of mock-up when no longer required.

- 3. Incorporation: Mock-up may be incorporated into final construction upon Owner's approval.
- C. Pre-installation Meeting: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements.

1.07 DELIVERY, STORAGE & HANDLING

- A. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.

1.08 PROJECT CONDITIONS

- A. Temperature Requirements: If storage temperature is below 68F (20C), move the UPOFLOOR Quartz Tile to a warmer place and allow to reach this temperature before installation. Maintain temperature of installation area between 68F (20C) and 80F (26C) for a period of at least 72 hours prior to, during, and after completion of the installation for acrylic adhesives (12 hours after completion for polyurethane adhesives).

Specifier Note: Coordinate Article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section.

1.09 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.
 - 1. Warranty Period: Fifteen (15) years commencing on Date of Substantial Completion.

PART 2 PRODUCTS

Specifier Note: Retain Article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as “or equal” or “or approved equal” or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining “or equal” products.

Specifier Note: All imperial dimensions are approximate; products are manufactured to exact metric standards.

Specifier Note: UPOFLOOR Quartz Tile is a homogeneous combination of high quality calcium carbonate, and fine and naturally weathered quartz. UPOFLOOR Quartz Tile meets the requirements of ASTM F1066, Class I, Type A.

2.01 QUARTZ TILE

- A. Manufacturer: **UPOFLOOR**
P.O. Box 8
37101 Nokia, Finland
Tel. +358 207 409 600
Fax +358 207 409 736

Specifier Note: Select material to suit project requirements.

- B. Proprietary Product(s)/System(s): UPOFLOOR Quartz Tile:

MARBLE COLLECTION:

1. CD 9703: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
2. CD 9701: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
3. CD 9721: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
4. CD 9725: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
5. CD 9767: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
6. CD 9723: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
7. CD 9702: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
8. CD 9722: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
9. CD 9724: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m2) Area per box: 48 Sq. ft. (4.46 m2)
10. CD 9753: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)

- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
11. CD 9744: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
12. CD 9719: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)

MOSAIC COLLECTION:

13. CD 9349: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
14. CD 9351: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
15. CD 9303: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
16. CD 9323: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
17. CD 9363: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
18. CD 9366: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
19. CD 9359: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
20. CD 9367: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
21. CD 9319: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
22. CD 9317: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
23. CD 9321: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
24. CD 9302: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
25. CD 9301: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)

- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
26. CD 9322: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
27. CD 9325: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
28. CD 9324: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
29. CD 9328: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
30. CD 9353: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
31. CD 9304: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
32. CD 9329: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
33. CD 9306: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
34. CD 9318: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
35. CD 9361: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
36. CD 9344: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)

MOSAIC CLASSIC COLLECTION:

37. CD 3313: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
38. CD 6352: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
39. CD 6311: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
- Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)

- 40. CD 6312: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 41. CD 6316: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 42. CD 6320: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)

UNI COLLECTION:

- 43. CD 9067: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 44. CD 9066: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 45. CD 9063: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 46. CD 9061: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 47. CD 9059: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 48. CD 9053: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 49. CD 9051: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 50. CD 9049: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 51. CD 9044: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 52. CD 9029: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 53. CD 9028: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm) or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
- 54. CD 9025: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)

- or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
55. CD 9024: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
56. CD 9023: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
57. CD 9022: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
58. CD 9021: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
59. CD 9019: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
60. CD 9018: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
61. CD 9017: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
62. CD 9010: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
63. CD 9006: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
64. CD 9004: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
65. CD 9003: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
66. CD 9002: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)
67. CD 9001: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)
Weight: 0.82 lbs/Sq. ft. (4.0 kg/m²) Area per box: 48 Sq. ft. (4.46 m²)

TEMA COLLECTION:

68. CD 9167: Thickness: 0.08" (2 mm); Width: 24" (61 cm) x 24" (61 cm)
or 12" (30 cm) x 12" (30 cm)

Specifier Note: All weights and measures are approximate. UPOFLOOR Quartz Tile is also available by special order in the following size:

Thickness: 0.10" (2.5 mm); Width: 11 7/8" (30 cm) x 11 7/8" (30 cm).

Contact UPOFLOOR or your local UPOFLOOR representative for more information.

- C. Proprietary Accessory Products: Provide UPOFLOOR accessories for use with UPOFLOOR Quartz Tile:
 - 1. Acrylic Adhesive: For dry areas with no spillage, use UPOFLOOR 5900, a one-part, water-based, acrylic adhesive as recommended by manufacturer.
 - 2. Polyurethane Adhesive:

- D. Proprietary Product(s) Standard and Testing:
 - 1. Product Standard: Tested in accordance with ASTM F1066 for minimum product standards.
 - 2. Fire Resistance: Flammability exceed minimum for Class 1 rating per ASTM E648.
 - 3. Smoke Density: Less than 450 when tested in accordance with ASTM E662.
 - 4. Chemical Resistance: UPOFLOOR Quartz Tile is virtually unaffected by surface water and most chemicals which do not have a solvent action on vinyl. Certain chemicals can cause staining, and acids and dyes can affect the color, which should be selected accordingly.
 - 5. Flexibility: UPOFLOOR Quartz Tile meet flexibility requirements of ASTM F1066.
 - 6. Indentation Resistance: UPOFLOOR Quartz Tile meets indentation resistance requirements of ASTM F1066.
 - 7. Slip Resistance: UPOFLOOR Quartz Tile meets and exceeds current published slip resistance requirements of OSHA. Tests were performed in accordance with ASTM D2047 for dry conditions.
 - 8. Static Load Limit: UPOFLOOR Quartz Tile has been tested to 3500 psi (12410 Kpa) in accordance with ASTM F970.
 - 9. Light Resistance: UPOFLOOR Quartz Tile meets light resistance requirements of ASTM F1066.
 - 10. Color Selection: Select color with expected traffic conditions and usage in mind.

Specifier Note: Edit Article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Division 1 Project Requirements (Product Substitutions Procedures) Section.

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

2.03 SOURCE QUALITY

- A. Source Quality: Obtain flooring products from a single manufacturer.

PART 3 EXECUTION

Specifier Note: Article below is an addition to the CSI Section Format. Revise Article below to suit project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog, installation instructions and product label instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3.03 PREPARATION

- A. Quartz Tile flooring shall be installed over subfloors conforming to ASTM F710 for concrete and other monolithic floors or ASTM F1482 for wood subfloors.
- B. Moisture Testing: Moisture emissions from concrete subfloors must not exceed 5 lbs per 1000sf per 24 hours (2.25 kg H₂O/24 hr/93 m²) via the Calcium Chloride Test Method (ASTM F1869) and not to exceed 85% internal concrete relative humidity as tested in accordance with ASTM F2170-02. If subfloor moisture exceeds the allowable maximum for installing UPOFLOOR Quartz Tile, please call your local UPOFLOOR distributor for advice.
- C. Wood subfloors shall not exceed 10% moisture content when measured with a Delmhorst Wood Moisture Tester.
- D. The pH level of the subfloor surface shall not be higher than 9.9. If higher, subfloor must be neutralized.

- E. Underlayment and Patching Compounds: Use only gray colored Portland cement based underlayments; patching compounds are used for filling cracks, holes and leveling. White gypsum materials are not acceptable.

Specifier Note: Coordinate Article below with manufacturer's recommended installation details and requirements.

3.04 INSTALLATION

- A. Quartz Tile Installation: Install UPOFLOOR Quartz Tile in accordance with the current published UPOFLOOR Installation Guide. Failure to install UPOFLOOR Quartz Tile in accordance with recommended procedures will void the UPOFLOOR Limited Product Warranty.

Specifier Note: Coordinate Article below with Division 1 Quality Assurance and Quality Control Sections.

3.05 FIELD QUALITY REQUIREMENTS

Specifier Note: Edit paragraph below. Establish number and duration of periodic site visits with Owner and manufacturer, and specify below. Consult with manufacturer for services required. Coordinate paragraph below with Division 1 Quality Assurance Section and Part 1 Quality Assurance Submittals herein. Delete if manufacturer's field service not required.

- A. Manufacturer's Field Services: Upon Owner's request, provide manufacturer's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.
 - 1. Site Visits: [Specify number and duration of periodic site visits].

3.06 CLEANING

Specifier Note: UPOFLOOR Quartz Tile is virtually unaffected by surface water and most chemicals which do not have a solvent action on vinyl. Certain organic solvents and chemicals can cause staining, and acids and dyes can affect the color, which should be selected accordingly. Contact manufacturer for a detailed list of the effect of chemicals on UPOFLOOR safety flooring.

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.07 PROTECTION

- A. Protection:
 - 1. Protect the newly installed flooring from foot traffic for 24 hours and heavy rolling traffic for 72 hours.
 - 2. Protect installed product and finish surfaces from damage during construction.
- B. Cover and protect finished installation from damage that may be caused by other trades using a plywood or non-staining temporary floor protection system, such as textured plastic sheeting.

END OF SECTION