

Architectural Specification

061629

09618

CORK UNDERLAYMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Noise-reducing impact insulation system for vinyl, linoleum and VCT floors
- B. Sound-reducing underlayment for nail down' solid and semi-solid wood floor systems
- C. Noise-reducing impact insulation system for wood laminate and engineered wood floors
- D. Sound-reducing underlayment for glue-less, interlocking "click and fit" laminate flooring.
- E. Sound-reducing underlayment for ceramic tile and natural stone floor systems
- F. Noise-reducing impact insulation system for carpet and carpet tiles

1.2 RELATED SECTIONS

- A. Section 09300 - Tile: ceramic tile and natural stone floors
- B. Section 09640 - Wood Flooring: Wood floor systems
- C. Section 09650 - Resilient Flooring: Vinyl, linoleum and VCT floors
- D. Section 09680 - Carpet: Carpet and carpet tiles

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations
 - 2. Storage and handling requirements and recommendations
 - 3. Documentation that materials proposed for use meets building code requirements in the jurisdiction of the Project.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, represent actual product, color, and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: The manufacturer shall be a firm with a minimum of ten years of successful experience in manufacture of products with similar requirements.
- B. Installer Qualifications: The installer shall be a firm with a minimum of five years of successful experience in installation of products with similar requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: USF Contract Natural Cork® , 3580 Corporate Drive, Dalton, GA 307, 21 877-929-4044
- B. Substitutions: Not permitted
- C. Requests for substitutions considered in accordance with provisions of Section 01600

2.2 SOUND-REDUCING UNDERLAYMENT FOR GLUE-LESS, INTERLOCKING "CLICK AND FIT" LAMINATE FLOORING

2.3 UNDERLAYMENT FOR CERAMIC TILE AND NATURAL STONE FLOOR SYSTEMS

2.4 NOISE-REDUCING IMPACT INSULATION SYSTEM FOR WOOD LAMINATE AND ENGINEERED WOOD FLOORS SOUND

2.5 REDUCING UNDERLAYMENT FOR NAIL DOWN SOLID AND SEMI-SOLID WOOD FLOOR SYSTEMS SOUND-REDUCING

2.6 NOISE-REDUCING IMPACT INSULATION SYSTEM FOR CARPET AND CARPET TILES

- A. Acceptable Product: Natural Cork® Corkshield™
 - 1. Acoustical Properties
 - a. ASTM-E413-87 STC 57
 - b. ASTM-E989-89 IIC54
 - 2. Physical Properties
 - a. Sizes: 39" x 370"

- b. Thickness: 4.8mm
 - c. Composition: Homogenous 100% quercus suber cork Composition of cork granules Size 1 - 3
 - d. Anti-allergenic Cork- quercus suber is a bacteria and spore resistant product
 - e. Insect Resistance Cork- quercus suber is a natural insect
 - f. Anti-microbial Quercus Suber inhibits mold and bacteria in binder - standard
 - g. Backing: Aluminum Foil moisture barrier
 - h. Density: 190 kg/m³ - 210 kg/m³ [11.7lb/ft³ – 12.5 lb/ft³]
3. Accessories:
- a. 6-8 mil polyethylene sheet
 - b. Perimeter isolation material
 - c. Polyethylene tape
 - d. Acoustical caulk
- B. Acceptable Product: Natural Cork® Fenda Guard™
1. Physical Properties
- a. Sizes: 39" x 370"
 - b. Thickness: 1.2 mm
 - c. Composition: Homogenous 100% quercus suber cork Composition of cork granules – recycled rubber
 - d. Anti-allergenic Cork- quercus suber is a bacteria and spore resistant product
 - e. Density 35lb/ft³
 - f. Anti-microbial Quercus Suber inhibits mold and bacteria in binder – standard
2. Accessories:
- a. 6-8 mil polyethylene sheet
 - b. Perimeter isolation material
 - c. Polyethylene tape
 - d. Acoustical caulk
- C. Acceptable Product: Natural Cork® Underlayment 125
1. Acoustical Properties
- a. ASTM-E413-87 STC 60
 - b. ASTM-E989-89 IIC53
2. Physical Properties
- a. Sizes: 36" x 24" sheets, 48" x600" rolls
 - c. Thickness:3.2mm
 - d. Composition: Homogenous 100% quercus suber cork Composition of cork granules Size 1 - 3
 - e. Anti-allergenic Cork- quercus suber is a bacteria and spore resistant product
 - f. Insect Resistance Cork- quercus suber is a natural insect
 - g. Anti-microbial Quercus Suber inhibits mold and bacteria in binder - standard
 - h. Density: 190 kg/m³ - 210 kg/m³ [11.7lb/ft³ – 12.5 lb/ft³]
3. Accessories:
- a. 6-8 mil polyethylene sheet
 - b. Perimeter isolation material
 - c. Polyethylene tape
 - d. Acoustical caulk
- D. Acceptable Product: Natural Cork® Underlayment 250
1. Acoustical Properties
- a. ASTM-E413-87 STC59
 - b. ASTM-E989-89 IIC54
2. Physical Properties
- a. Sizes: 36" x 24" sheets, 48" x600" rolls
 - c. Thickness:6.4mm
 - d. Composition: Homogenous 100% quercus suber cork Composition of cork granules Size 1 - 3
 - e. Anti-allergenic Cork- quercus suber is a bacteria and spore resistant product
 - f. Insect Resistance Cork- quercus suber is a natural insect
 - g. Anti-microbial Quercus Suber inhibits mold and bacteria in binder - standard
 - h. Density: 190 kg/m³ - 210 kg/m³ [11.7lb/ft³ – 12.5 lb/ft³]

- 3. Accessories:
 - a. 6-8 mil polyethylene sheet
 - b. Perimeter isolation material
 - c. Polyethylene tape
 - d. Acoustical caulk
- E. Acceptable Product: Natural Cork® Underlayment 500
 - 1. Acoustical Properties
 - a. ASTM-E413-87 STC 57
 - b. ASTM-E989-89 IIC54
 - 2. Physical Properties
 - a. Sizes: 36" x 24" sheets
 - b. Thickness: ½" [12.7 mm]
 - c. Composition: Homogenous 100% quercus suber cork Composition of cork granules Size 1 – 3
 - d. Anti-allergenic Cork- quercus suber is a bacteria and spore resistant product
 - e. Insect Resistance Cork- quercus suber is a natural insect
 - f. Anti-microbial Quercus Suber inhibits mold and bacteria in binder – standard
 - g. Backing: Aluminum Foil moisture barrier
 - h. Density: 190 kg/m³ - 210 kg/m³ [11.7lb/ft³ – 12.5 lb/ft³]
 - 3. Accessories:
 - a. 6-8 mil polyethylene sheet
 - b. Perimeter isolation material
 - c. Polyethylene tape
 - d. Acoustical caulk

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.