FilzFelt carries German-milled 100% Wool Design Felt and felt products that include acoustic and textural solutions for the wall, floor and everywhere in between. In addition, FilzFelt provides full custom fabrication services. A biodegradable and renewable nonwoven textile, wool felt is water-resistant, self-extinguishing, and known for its thermal and acoustic insulation properties, and its highly saturated and lightfast colors. And FilzFelt can assist designers with custom cutting and fabricating virtually any size, shape or design for a wide range of applications.

SECTION 097219

FELT WALLCOVERING

(3mm Wool Design Felt by FilzFelt)

1. GENERAL
   * + 1. DESCRIPTION OF WORK
          1. This Section includes requirements for felt fabric acoustical wallcovering adhered to substrate.
       2. SUBMITTALS
          1. Submit manufacturer’s product data, including complete laboratory test results, representative details, and other information necessary to establish that product is appropriate for application.
          2. Submit 4 inch x 6 inch sample of felt fabric acoustical wall covering.
          3. Submit shop drawings indicating full extent of felt fabric acoustical wall covering. Include elevations indicating extent of felt fabric acoustical wall covering and seaming pattern.
          4. Submit installer qualifications including photographs of complete projects and references.
       3. QUALITY ASSURANCE
          1. Manufacturer shall have a minimum of five (5) years experience in providing felt similar in size, scope, and complexity to the work of this project
          2. Installer shall have a minimum of five (5) years experience in the installation of natural materials such as leather, cork, or felt similar in size, scope, and complexity to the work of this project.
       4. MOCK-UP
          1. If installer holds less than five (5) years experience with felt wall covering, construct a mockup at the project site of a typical wall with felt fabric acoustical wall covering. Mock-up shall be a minimum of 10 feet x 10 feet and will be reviewed for seam quality, color range, and workmanship. Mock-up shall contain a typical opening, reveals, and other special conditions.
          2. Obtain Architect's acceptance of the mock-up before starting reminder of work. Retain mock-up during construction as a standard for judging completed work. Do not alter mock-up after acceptance. Mock-up may be incorporated into the work upon approval by the Architect.
       5. PRE-INSTALLATION CONFERENCE
          1. Approximately two weeks prior to scheduled commencement of installation and associated work, meet at project site to discuss conformance with requirements of specification and job site conditions. Representatives of the architect, general contractor, installer, and other parties who are involved in the scope of this installation shall attend the meeting. Review submittals, specific concerns related to site conditions, installation methods, and other work governing the quality of the installation.
       6. DELIVERY, STORAGE, AND HANDLING
          1. Protect materials from excessive moisture in shipment, storage, and handling. Material shall be inspected upon arrival for flaws or defects. Felt fabric acoustical wall covering that is flawed shall be rejected. Do not store felt fabric acoustical wall covering in bolts in an upright position or beneath other materials. Felt material must acclimate in the space to be installed a minimum of 48 hours.
       7. PROJECT CONDITIONS
          1. Schedule installation of felt fabric acoustical wall covering as late as possible in sequence of construction schedule to reduce damage.
          2. Space shall be enclosed and weather tight, with temperature and humidity stable at values near those indicated for final occupancy
2. GENERAL
   * + 1. MANUFACTURER
          1. Basis-of-Design Manufacturer: FilzFelt, 425 CrossPoint Parkway, Getzville, NY 14068. Tel 800.482.7777, 716.446.2380. Fax 716.446.2396. info@filzfelt.com, www.filzfelt.com.
          2. Equal products of other manufacturer’s are acceptable upon strict compliance with the requirements of this Section and approval by the Architect.
       2. FELT WALLCOVERING
          1. 3mm Wool Design Felt by FilzFelt, www.filzfelt.com/3mm-wool-design-felt

Content: 100% merino or karakul wool.

Thickness: 3 mm (1/8 in).

Thickness Tolerance: ±0.3 mm (±1/10 in).

Width: 180 cm (70 3/4 in).

Width Tolerance: ±4 cm (±1 3/5 in).

Weight: 840 g / m2 (48 oz / lin yd).

Average Bolt Length: 22–25 lin m (24–27 lin yd).

Backing: None.

Color: As selected from manufacturer's standard colors.

Color: \_\_\_\_\_\_ (insert color).

Properties:

NRC (ASTM C423): 0.10.

SAA (ASTM C423): 0.10.

ASTM E 84: Class A.

CAL 117: Complies.

CAN/ULC S102-10: FS Rating 20, SD Classification 155.

EN 13501-1 (Euroclass): B-s1-d0 (flame treated), D-s1-d0 (untreated).

FAR 25.853(a): Pass (60 second vertical burn), Pass (12 second vertical burn).

Fire Protection Code for Interior Material (China): B1.

GB/T 5455: B1 (flame treated).

ISO 5660.1-2002: Group 3.

NFPA 260: Class 1.

NFPA 701: Pass (flame treated).

Colorfastness to Light Class: 4–5 (40 hours).

Colorfastness to Crocking: Class 3–4 (wet), Class 4–5 (dry).

ASTM 4966 (Martindale Abrasion Tester Method): 5,000 Grade 4, 10,000 Grade 3.5, 20,000 Grade 3.5, 40,000 Grade 3.

ASTM D 5034 (Grab Test): 243 lb (avg of warp), 214 lb (avg of weft).

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt), Meets VOC test limits for the CDPH v1.2 method (100% Wool Design Felt).

1. EXECUTION
   * + 1. EXAMINATION
          1. Examine substrate and spaces in which work is to be performed.
          2. Do not begin installation until:

Space has been enclosed and is weather-tight.

Wet work has been completed and is dry.

Painting is completed and wall base and floor covering is installed.

Adjacent work of other trades such as woodwork, ceilings, wall coverings, reveals, and other contiguous work has been completed.

* + - * 1. Drywall surfaces shall be taped, bedded, sanded, and primed. Penetrations shall be sealed against air and moisture leakage through wall.
        2. Do not proceed with installation until unsatisfactory conditions have been corrected. Beginning of installation indicates acceptance of existing substrate conditions.
      1. INSTALLATION
         1. Install felt fabric acoustical wall covering in strict accordance with manufacturer instruction and recommendations.

Inspect for surface irregularities and plan the cutting and piece selection to ensure that the “best side” will be visible. Wool felt is a natural material and minor changes and slight inclusions of natural fiber on the surface are evidence of 100% natural origin of the material. Allow felt to acclimate to the installation environment. After the shipping crates have been opened, the felt should be laid out individually on the floor for at least 48 hours. Variations in temperature and humidity may affect the size.

Prepare the substrate to provide a smooth and even surface Level 5. Finish surface and prime.

Trim the felt as needed to provide plumb and straight edges.

Using a foam roller, coat the substrate with suitable adhesive. Allow to cure per the adhesive manufacturer’s application instructions.

Apply the felt to the surface and use a weighted roller to smooth the surface, working from one end to remove any air bubbles. Rolling the entire surface also ensures maximum bond of the adhesive.

* + - 1. CLEANING AND PROTECTING
         1. Clean exposed surfaces of felt fabric acoustical wall covering.
         2. Remove surplus materials, rubbish and debris, leaving area in a neat and clean condition.
         3. Cover felt fabric acoustical wall covering installation with new, clean vinyl sheeting.

END OF SECTION