FilzFelt carries German-milled 100% Wool Design Felt in five thicknesses. The product line includes 100% Wool Design Felt by the yard and felt products including acoustic products, drapery, floor coverings, hanging panels, and tabletop. Since felt is a nonwoven fabric and does not require a loom for its production, ancient people were able to produce it quite easily. To produce felt, raw wool undergoes a wet felting process, which involves matting, condensing, and pressing the fibers. Wool Design Felt is high quality, eco-friendly, comes in highly saturated colors, and is perfect for demanding design applications.

SECTION 098411

WALL-MOUNTED ACOUSTIC PANELS

(ARO Plank by FilzFelt)

1. GENERAL
   * + 1. DESCRIPTION OF WORK
          1. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section including the following.

Wall-mounted acoustic panels.

* + - * 1. Related Work: The following items are not included in this Section and are specified under the designated Sections:

Section 061000 - Rough Carpentry; concealed blocking and supports.

* + - 1. SUBMITTALS
         1. Product Data: Submit for each product indicating materials, dimensions, profiles, textures and colors. Include installation instructions.
         2. Shop Drawings: Submit shop drawings indicating plans, elevations, details of construction, and relationship with adjacent construction.
         3. Verification Samples: Submit representative sample of felt in color specified.
      2. QUALITY ASSURANCE
         1. Manufacturer: Minimum of 2 years manufacturing similar products.
         2. Installer: Minimum of 2 years installing similar products.
      3. DELIVERY, STORAGE, AND HANDLING
         1. Delivery: Deliver materials in manufacturer’s original, unopened, undamaged containers with identification labels intact.
         2. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Protect from weather damage.
      4. WARRANTY
         1. Warranty: Provide manufacturer's standard limited warranty against defects in manufacturing.

1. PRODUCTS
   * + 1. WALL-MOUNTED ACOUSTIC PANELS
          1. Plank System: 100% Wool Design Felt and Acoustic Substrate.

Basis-of-Design: ARO Plank 1 by FilzFelt, www.filzfelt.com/aro-plank-1

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Acoustic Substrate.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Width: 4-1/4 inches (10.8 cm).

Module B Width: 2-1/4 inches (5.7 cm).

Module C Width: 6-1/4 inches (15.9 cm).

Module D Width: 8-1/4 inches (21 cm).

Module E Width: 10-1/4 inches (26 cm).

Module F Width: 1’-0 1/4” (31.1 cm).

Configuration: Configuration: [1.1: Plank A repeated] [1.2: Plank B repeated] [Plank 1.3: AAABB] [ARO Plank 1.4: DFBEAECBACADACFBCAECBACADACD] [ARO Plank 1.5: ABABBBABBB] [ARO Plank 1.6: EECFEBEACFEABCEBFABAAACEC] [ ARO Plank 1.7: BACDEFFEDCAB] [ARO Plank 1.8: BFBD] [\_\_\_ (insert custom configuration)].

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 1.00.

SAA (ASTM C423): 1.00.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt).

* + - * 1. Plank System: 100% Wool Design Felt and Akustika 10.

Basis-of-Design: ARO Plank 2 by FilzFelt, www.filzfelt.com/aro-plank-2

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Akustika 10: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Width: 5 in (127 mm).

Module B Width: 3 in (76 mm).

Configuration: [2.1: Plank A repeated] [2.2: Plank A repeated, every other plank rotated 180 degrees] [2.3: Plank B repeated] [2.4: Plank B repeated, every other plank rotated 180 degrees] [2.5: AAABB] [\_\_\_ (insert custom configuration)].

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.65.

SAA (ASTM C423): 0.61.

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

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

Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt).

* + - * 1. Plank System: 100% Wool Design Felt and Akustika 10.

Basis-of-Design: ARO Plank 3 by FilzFelt, www.filzfelt.com/aro-plank-3

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Akustika 10: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

Plank Width: 5 in (127 mm) one end, 3 in (76 mm) other end.

Configuration: Every other plank rotated 180 degrees.

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.65.

SAA (ASTM C423): 0.61.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Akustika 10).

* + - * 1. Plank System: 100% Wool Design Felt and Akustika 10.

Basis-of-Design: ARO Plank 4 by FilzFelt, www.filzfelt.com/aro-plank-4

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Akustika 10: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Width: 18 in (457 mm).

Module B Width: 9 in (229 mm).

Rib C Width: 1-1/4 in (32 mm).

Configuration: [4.1: AC] [4.2: ACACCACCC] [4.3: BC] [4.4: BCBCCBCCC] [\_\_\_ (insert custom configuration)].

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert color) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.65.

SAA (ASTM C423): 0.61.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Akustika 10).

* + - * 1. Plank System: 100% Wool Design Felt and Akustika 10.

Basis-of-Design: ARO Plank 5 by FilzFelt, www.filzfelt.com/aro-plank-5

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Akustika 10: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Width: 3-1/2 in (90 mm).

Module A Depth: 1-1/4 in (32 mm).

Module A Length: 7 feet 9 inches (2360 mm).

Module B Width: 2 in (51 mm).

Module B Depth: 1-1/4 in (32 mm).

Module B Length: 5 feet 2 inches (1570 mm).

Module C Width: 2 in (51 mm).

Module C Depth: 3/4 in (19 mm).

Module C Length: 5 feet 2 inches (1570 mm).

Module D Width: 2 in (51 mm).

Module D Depth: 1-1/4 in (32 mm).

Module D Length: 2 feet 7 inches (790 mm).

Module E Width: 2 in (51 mm).

Module E Depth: 3/4 in (19 mm).

Module E Length: 2 feet 7 inches (790 mm).

Configuration: [Manufacturer’s Standard Configuration] [\_\_\_ (insert custom configuration)].

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.65.

SAA (ASTM C423): 0.61.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Akustika 10).

* + - * 1. Plank System: 100% Wool Design Felt and Acoustic Substrate.

Basis-of-Design: ARO Plank 6 by FilzFelt, www.filzfelt.com/aro-plank-6

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Acoustic Substrate.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Width: 4 1/4 in (10.8 cm).

Module B Width: 4 1/4 in (10.8 cm).

Module C Width: 4 1/4 in (10.8 cm).

Module D Width: 2 1/4 in (5.7 cm).

Module E Width: 2 1/4 in (5.7 cm).

Configuration: [ARO Plank 6.1: ACCBCC] [ARO Plank 6.2: DEEEEEED\*EEEEEE (\* indicates plank rotated 180 degrees)] [ARO Plank 6.3: DEEDEEEEEED\*EED\*EEEEE (\* indicates plank rotated 180 degrees)] [ARO Plank 6.4: CCDCCD\* (\* indicates plank rotated 180 degrees)] [ARO Plank 6.5: AEEBEE] [ARO Plank 6.6: CBCEEB\*CA\*EECB\*CDEACCD\*ECA\*CEECACEE (\* indicates plank rotated 180 degrees)] [\_\_\_ (insert custom configuration)].

Length: \_\_\_\_\_\_ (9’-0” maximum standard length).

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Thread Color: [Matching primary felt color] [\_\_\_\_\_].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 1.00.

SAA (ASTM C423): 1.00.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt).

* + - * 1. Plank System: 100% Wool Design Felt and Akustika 10.

Basis-of-Design: ARO Plank 7 by FilzFelt, www.filzfelt.com/aro-plank-7

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Akustika 10: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Size: 5’-6” (167.6 cm) x 3 1/2” (8.9 cm) x 1 1/4” (3.2 cm).

Module B Size: 2’-7” (78.7 cm) x 2” (5.1 cm) x 1 1/4” (3.2 cm).

Module C Size: 2” (5.1 cm) x 2” (5.1 cm) x 3/4” (1.9 cm).

Configuration: [Manufacturer’s Standard Configuration] [\_\_\_ (insert custom configuration)].

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.65.

SAA (ASTM C423): 0.61.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Akustika 10).

* + - * 1. Plank System: 100% Wool Design Felt and Akustika 10.

Basis-of-Design: ARO Plank 8 by FilzFelt, www.filzfelt.com/aro-plank-8

Materials:

Felt: 100% Wool Design Felt, 100 percent biodegradable.

Akustika 10: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Module A Size: 2’-9” (83.8 cm) x 3 1/2” (8.9 cm) x 1 1/4” (3.2 cm).

Module B Size: 2’-9” (83.8 cm) x 2” (5.1 cm) x 3/4” (1.9 cm).

Module C Size: 3’-3 1/2” (100.3 cm) x 2” (5.1 cm) x 3/4” (1.9 cm)

Module D Size: 2’-2 1/2” (67.3 cm) x 2” (5.1 cm) x 3/4” (1.9 cm)

Module E Size: 6 1/2” (16.5 cm) x 2” (5.1 cm) x 3/4” (1.9 cm).

Configuration: [ARO Plank 8.1: A + B] [ARO Plank 8.2: A, D, E] [ARO Plank 8.3: A, C, D] [\_\_\_ (insert custom configuration)].

Orientation: [Vertical] [Horizontal].

Colors: As selected from manufacturer's standard colors.

Colors: \_\_\_\_\_\_ (insert colors) [Multiple colors as indicated on the Drawings].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.65.

SAA (ASTM C423): 0.61.

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

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

Environmental: Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Akustika 10).

1. EXECUTION
   * + 1. EXAMINATION
          1. Examine existing conditions to determine that they are suitable for installation. Proceed with installation only when unsatisfactory conditions have been corrected.
       2. INSTALLATION
          1. Clean Substrates of projections and substances detrimental to application.
          2. Install units in accordance with manufacturer's instructions, approved submittals, and in proper relationship to adjacent construction.
       3. ADJUSTING AND CLEANING
          1. Adjust units for proper position, uniform appearance and operation.
          2. Clean exposed and semi-exposed surfaces using materials acceptable to manufacturer.

END OF SECTION