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 098411

WALL-MOUNTED ACOUSTIC PANELS

(ARO Shingle 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. Shingle System: 100% Wool Design Felt and Akustika 10.

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

Materials:

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

Substrate: 60 percent post-consumer recycled content, 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Shingle Thickness: 1-5/8 in (41.7 mm).

Shingle A Size: 6 x 14 inches (152 x 660 mm).

Shingle B Size: 6 x 14 inches (152 x 660 mm).

Course Height: 6 inches (152 mm).

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): 0.75.

SAA (ASTM C423): 0.73.

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

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

Environmental: Living Building Challenge Criteria Compliant, Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Acoustic Substrate), Meets VOC test limits for the CDPH v1.2 method (100% Wool Design Felt + Akustika 10 Substrate).

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

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

Materials:

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

Substrate: 60 percent post-consumer recycled content, 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Felt Color: As selected from manufacturer's standard colors.

Felt Color: \_\_\_\_\_\_ (insert color or multiple colors).

Substrate Color:  [02 Medium Grey] [03 Dark Grey] [05 Ice].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.75.

SAA (ASTM C423): 0.75.

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

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

Environmental: Living Building Challenge Criteria Compliant, Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Acoustic Substrate), Meets VOC test limits for the CDPH v1.2 method (100% Wool Design Felt + Akustika 10 Substrate).

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

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

Materials:

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

Substrate: 60 percent post-consumer recycled content, 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Felt Color: As selected from manufacturer's standard colors.

Felt Color: \_\_\_\_\_\_ (insert color or multiple colors).

Substrate Color: [02 Medium Grey] [03 Dark Grey] [05 Ice].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.90.

SAA (ASTM C423): 0.89.

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

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

Environmental: Living Building Challenge Criteria Compliant, Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Acoustic Substrate), Meets VOC test limits for the CDPH v1.2 method (100% Wool Design Felt + Akustika 10 Substrate).

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

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

Materials:

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

Substrate: 60 percent post-consumer recycled content, 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Felt Color: As selected from manufacturer's standard colors.

Felt Color: \_\_\_\_\_\_ (insert color or multiple colors).

Substrate Color: [02 Medium Grey] [03 Dark Grey] [05 Ice].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.70.

SAA (ASTM C423): 0.73.

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

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

Environmental: Living Building Challenge Criteria Compliant, Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Acoustic Substrate), Meets VOC test limits for the CDPH v1.2 method (100% Wool Design Felt + Akustika 10 Substrate).

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

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

Materials:

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

Substrate: 60 percent post-consumer recycled content, 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Felt Color: As selected from manufacturer's standard colors.

Felt Color: \_\_\_\_\_\_ (insert color or multiple colors).

Substrate Color: [02 Medium Grey] [03 Dark Grey] [05 Ice].

Mounting Method: Interlock Mounting System.

Properties:

NRC (ASTM C423): 0.75.

SAA (ASTM C423): 0.75.

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

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

Environmental: Living Building Challenge Criteria Compliant, Oeko-Tex Standard 100 Certified Product Class II (100% Wool Design Felt + Acoustic Substrate), Meets VOC test limits for the CDPH v1.2 method (100% Wool Design Felt + Akustika 10 Substrate).

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