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

(Arcade, Bar, Bulb, Duet, Hex, Ion, Rain, Rise, Velo 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. Basis-of-Design: Arcade by FilzFelt, www.filzfelt.com/arcade; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Break Between Design Elements Height: [65 inch (165.1 cm)] [\_\_\_\_\_ (insert custom height)].

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Bulb by FilzFelt, www.filzfelt.com/bulb; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Primary Design Element Height: [62 inch (157.5 cm)] [\_\_\_\_\_ (insert custom height)].

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Duet by FilzFelt, www.filzfelt.com/duet; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Hex by FilzFelt, www.filzfelt.com/hex; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Primary Design Element Height: [62 inch (157.5 cm)] [\_\_\_\_\_ (insert custom height)].

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Horizontal Bar by FilzFelt, www.filzfelt.com/horizontal-bar; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Ion by FilzFelt, www.filzfelt.com/ion; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Rain by FilzFelt, www.filzfelt.com/rain; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Rise by FilzFelt, www.filzfelt.com/rise; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Pattern: [Pattern 1] [Pattern 2] [Pattern 3] [Pattern 4] [\_\_\_\_\_ (insert custom pattern)].

Design Elements Location: [8 in (20.3 cm) from panel end] [\_\_\_\_\_ (insert custom height)].

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Velo by FilzFelt, www.filzfelt.com/velo; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

* + - * 1. Basis-of-Design: Vertical Bar by FilzFelt, www.filzfelt.com/vertical-bar; 100% Wool Design Felt and Acoustic Substrate.

Materials:

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

Substrate: 100 percent recyclable.

Contains no formaldehyde, chemical irritants, or harmful substances.

VOC free.

Panel Thickness: 1 1/4 in (32 mm).

Panel Size: \_\_\_\_ (insert size, 2'-10" x 9'-8" (86.4 x 294.6 cm) max.)

Color Configuration: [1-Color] [2-Color] [\_\_\_\_\_ (insert custom option)].

Color 1: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Color 2: [As selected from manufacturer's standard colors] [\_\_\_\_\_\_ (insert color)].

Trim: [End-of-Run Trim] [and] [Baseboard Trim] [None].

Mounting Method: Z-Clips preinstalled.

Properties:

NRC (ASTM C423): 0.60.

SAA (ASTM C423): 0.57.

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 + Akustika 10 Substrate), Meets VOC test limits for the CDPH v1.2 method.

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