Mull-it-Over Products Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-­Part Format, as described in the Project Delivery Practice Guide, including MasterFormat® and SectionFormat/PageFormat®*.*

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings. Delete all “Specifier Notes” after editing this Section.

**Section 09 2153**

**EXPANDABLE PARTITION GAP FILLER**

Specifier Notes: This section covers Mull-it-Over Products ExpandaMull System. Consult Mull-it-Over Products for assistance in editing this section for the specific application.

PART 1 GENERAL

1.01 SECTION INCLUDES

Specifier Note: Select aluminum system that mullion trim cap system will engage with.

1. Expandable partition gap filler system providing closure from interior demising wall assembly to **[aluminum store front system.] [aluminum curtain wall system.]**

1.02 RELATED REQUIREMENTS

1. Section 04 2000 – Unit Masonry.
2. Section 07 9200 - Joint Sealants.
3. Section 08 4100 – Entrances and Storefronts.
4. Section 08 4400 – Curtain Wall and Glazed Assemblies.
5. Section 09 2116 – Gypsum Board Assemblies.
6. Section 09 8453 – Sound Barrier Mullion Trim Cap.
7. Section 09 8454 – Fire-Rated Sound Barrier Mullion Trim Cap.
8. Section 10 2219 – Demountable Partitions
	1. REFERENCE STANDARDS
9. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2017.
10. CDPH 01350 VOC Emissions Analysis.

1.04 SUBMITTALS

1. See Section 01 3000 - Administrative Requirements for submittal procedures.
2. Product Data:
	1. Expandable partition gap filler.
	2. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for expandable partition gap filler system.
3. Shop Drawings: Indicate special details associated with expandable partition gap filler system:

Specifier Note: Select partition type and aluminum system type.

* 1. Dimensioned cross-section(s) where **[gypsum board] [masonry] [demountable partition]** terminates at **[aluminum storefront system.] [aluminum curtain wall system.]**
	2. Finish.
1. Samples: For each custom finish specified.
2. Size: 2 inch by 3-1/2 inch (51 mm x 89 mm) aluminum finish sample.

Specifier Note: Select sample required for project.

1. Finish: **[Custom color paint sample.] [Anodized finish sample.]**
2. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner’s name and registered with manufacturer.

1.05 QUALITY ASSURANCE

1. Manufacturer Qualifications: Manufacturer of aluminum extrusions and anodizing shall be ISO-9001 certified.
2. Installer Qualifications - Company approved by manufacturer and trained to perform work of this section.

1.06 DELIVERY, STORAGE, AND HANDELING

1. Do not deliver expandable partition gap filler until spaces to receive them are clean, dry, and ready for installation.
2. Store expandable partition gap filler in original undamaged packaging inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.

1.07 WARRANTY

1. See Section 01 7800 – Closeout Submittals, for additional warranty requirements.
2. Manufacturer's Warranty: Manufacturer agrees to repair or replace expandable partition gap fillers that fail in materials or workmanship within warranty period.
	1. Warranty Period: Ten years limited warranty from date of Substantial Completion.
	2. Limited warranty does not cover adjacent products or improper installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

1. Mull-it-Over Products; ExpandaMull Partition Gap Filler System: www.mullitoverproducts.com

Specifier Note: Select expandable partition gap filler in size required for project. GF designation to be used on drawings to indicate location of required gap filler when a project requires multiple systems.

1. GF-1 - 2-3/4 inch to 3-3/4 inch (69 mm to 95 mm) gap.
2. GF-2 - 3-3/4 inch to 5 inch (69 mm to 127 mm) gap.
3. GF-3 – 5 inch to 7-1/2 inch (127 mm to 190 mm) gap.
4. GF-4 - 7-1/2 inch to 11 inch (190 mm to 279 mm) gap.

Specifier Note: Make selection.

1. Substitutions: **[Not Permitted] [See Section 01 6000 – Product Requirements]**

2.02 SYSTEM DESCRIPTION

1. General: Provide expandable partition gap filler of design, basic profile, and materials indicated. Provide units with capability to accommodate variations and differential movement in adjacent surfaces.
2. Furnish units in lengths to allow for field trimming to required length to match variations in construction tolerances of adjacent systems.

2.03 COMPONENTS

1. Aluminum Extrusions:
	1. Thickness: 0.10 inches (2.5 mm).
	2. Profile: As selected and approved by Architect to allow solid attachment and fastening to the partition wall framing
2. Expansion Foam:
	1. Resistant to smoke, flame, and microbial growth.
	2. Fire Rating: ASTM E84 Class 1.
	3. Fungi Resistance: Zero rating per ASTM G21.
3. Foam Tape with Adhesive:
	1. Provide between edge of aluminum extrusion and opposing surface of gap being infilled.
	2. Thickness: Standard 1/8 inch (3.2 mm).

**2.04 FABRICATION**

1. Extrusions and generic profiles to be shipped in custom lengths as required to meet project requirements or shipped in standard incremental foot lengths and cut to exact length on jobsite.
	1. FINISHES

Specifier Note: Select the paragraph below to match the requirements of the project. Select color.

* 1. Class lI Natural Anodized Finish: AAMA 611 AA-M12C22A31 Clear anodic coating not less than 0.4 mils (0.010 mm) thick.
	2. Color Anodized Class Il Color Anodized Finish: AAMA 611 AA-M12C22A32 Integrally colored anodic coating not less than 0.4 mils (0.010 mm) thick.
		1. Color: \_\_\_\_\_\_\_\_\_\_\_\_
	3. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch (0.030 mm).
		1. Color: \_\_\_\_\_\_\_\_\_\_\_\_

Specifier Note: Decoral Wood Grain and additional paint finish options are available. Consult Mull-It-Over Products for more information.

* 1. Custom Finish: \_\_\_\_\_\_\_\_\_\_\_\_\_

PART 3 EXECUTION

3.01 EXAMINATION

1. Verify that project conditions are appropriate for work of this section to commence.
2. Examine substrates and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

Specifier Note: Select system that the Sound Barrier Mullion Trim Cap interfaces with.

1. Examine demising walls and adjacent **[aluminum store front system] [aluminum curtain wall system]** for suitable conditions where expandable partition gap filler will be installed.
2. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

1. Measure and cut expandable partition gap filler aluminum extrusions to proper lengths.
	1. Narrow face of extrusion (2 inch (51 mm)) to face building exterior.
2. If required by field conditions, notch extrusions around horizontal mullions, sills, or other obstructions leaving an appropriate gap for differential movement between the expandable partition gap filler and obstruction.
3. Install compressible foam blocks equally spaced  inside narrow 2 inch (51 mm) extrusion. Slide 2-3/8 inch (60.33 mm) wide extrusion over the 2 inch (51 mm) extrusion to create rectangular assembly.
4. Compress expandable partition gap filler. Remove adhesive release liner from the narrow extrusion and adhere assembly to exterior side of gap, ensuring it is applied straight and plumb.
5. Remove adhesive release liner from wider extrusion. Allow partition gap filler to expand and adhere assembly to interior side of gap, ensuring it is applied straight and plumb.
6. Apply color matched silicone sealant around perimeter surfaces of expandable partition gap filler. (Sealant provided by building sealant subcontractor.)

3.03 CLEANING

1. After work is complete in adjacent areas, clean exposed surfaces with suitable cleaner that will not harm or attack expandable partition gap filler finish.

3.04 PROTECTION

1. Protect expandable partition gap filler from damage during installation, general construction activities, and until turnover of structure.

END OF SECTION