

Part 1 General

1.1 SECTION INCLUDES

- A. Decorative metal [tiles].

1.2 RELATED SECTIONS

- A. Section [_____ - _____]: Wall substrate.
- B. Section 09 91 10: Preparation [and priming] of substrate surfaces.

1.3 REFERENCES

- A. ASTM E84-07 - Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS FOR REVIEW

- A. Section 01 33 00: Submission procedures.
- B. Product Data: Provide data on wall [tiles,] [and adhesive.]
- C. Shop Drawings: Indicate wall elevations with [] [tile] layout.
- D. Samples: Submit [two (2)] [_____] samples of [s] [tiles], <[____x____] mm> <<[____x____] inch >>in size illustrating , finish, and texture.

1.5 SUBMITTALS FOR INFORMATION

- A. Section 01 33 00: Submission procedures.
- B. Installation Data: Manufacturer's special installation requirements indicating special procedures, perimeter conditions requiring special attention, and [_____].

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable code for flame and smoke ratings when tested to ASTM E84 Class A for 4' x 8' and ASTM E84 Class C for 3x6 tiles.

1.7 DELIVERY, STORAGE, AND PROTECTION

- A. Section 01 61 00: Transport, handle, store, and protect products.
- B. Inspect materials on site to verify acceptance.
- C. Store tiles flat in a clean, dry area.
- D. Protect materials from temperature cycling.
- E. Do not slide s against each other or over rough surfaces.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 35 26: Environmental conditions affecting products on site.
- B. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the adhesive manufacturer.
- C. Maintain these conditions 24 hours before, during and after installation of adhesive applied [s] [tiles].

1.9 MAINTENANCE MATERIAL SUBMITTALS

- A. Section 01 78 40: Maintenance and extra material requirements.
- B. Extra Stock Materials:
 - 1. Provide <[____] sq m> <<[____] sq ft>> [____] of each of wall [s] [tiles].
 - 2. Package and label each ; store where directed.

Part 2 Products

2.1 MANUFACTURERS

- A. Acoustic Ceiling Products, LLC., Product: ASPECT™ Decorative Metal [s] [Tiles].
- B. Other acceptable manufacturers offering functionally [and aesthetically] equivalent products.
 - 1. [_____] [Model] [Style] [_____].
 - 2. [_____] [Model] [Style] [_____].
- C. Substitutions: [Refer to Section 01 62 00.] [Not permitted.]

2.2 MATERIALS

- A. Aluminum Tiles: Prefinished aluminum, conforming to the following:
 - 1. Total Thickness: <[0.30 mm]> <<[0.12 inches]>>.
 - 2. Tile Size: <76 x 152 mm> <<3 x 6 inches>>
 - 3. Color: [Brushed Champagne.] [Brushed Copper.] [Brushed Stainless Steel.] [Brushed Bronze.]
- B. Aluminum s: Prefinished aluminum, conforming to the following:
 - 1. Total Thickness: <[0.30 mm]> <<[0.12 inches]>>.
 - 2. Size: <[1220 x 2440 mm]> <<[4 x 8feet]>>
 - 3. Color: [Brushed Champagne.] [Brushed Copper.] [Brushed Stainless Steel.] [Brushed Bronze.]

2.3 ACCESSORIES

- A. Adhesive: [PB-FSA High Performance Acrylic.] [Type recommended by manufacturer to suit application to specific substrate.]
- B. Substrate Primer and Sealer: [100% oil-based, NOT PVA-based] [_____] type, as specified in Section [09 90 50.] [09 91 10.]
- C. Mechanical Fasteners: [Stainless steel] [Aluminum] [Plastic] [screws] [decorative nails], Type [_____].

Part 3 Execution

3.1 EXAMINATION

- A. Section 01 70 00: Verify existing conditions before starting work.
- B. Verify that substrate surfaces are [primed and] ready to receive work, and conform to requirements of [] [tile] manufacturer.
- C. Verify flatness tolerance of surfaces does not vary more than <[3] [6] [_____] mm> <<[1/8] [1/4] [_____] inch in 10 feet>> in <3 m> <<[10 feet]>> nor vary at a rate greater than <[1.5] [_____] mm/300 mm> <<[1/16] [_____] inch/ft >>.

3.2 PREPARATION

- A. Fill cracks and smooth irregularities with wallboard compound or spackling; sand edges smooth with fine grade sandpaper.
- B. Remove electrical, telephone, and [_____] wall plates and covers.
- C. [Apply [one (1) coat] [two (2) coats] of 100% oil-based primer sealer to porous substrate surfaces. Allow to dry.] If application is in a humid or water-prone area, primer should be antimicrobial.
- D. Ensure substrate surfaces are clean, dry, smooth and free from dust, grease, and wax. Vacuum clean surfaces free of loose particles.
- E. Use isopropyl alcohol two-cloth cleaning method for impervious surfaces and [] [tile] backs for full surface adhesive bonding.

3.3 MEASUREMENT EDGES AND BENDING

- A. Measure areas to be covered; lay-out [s] [tiles]. Using a temporary marker, transfer measurements to [s] [tiles].
- B. Plan for bends, corners or edge treatments before cutting.

- A. Inside and Outside Corners: Use a router to create a [V-channel] [flat channel] on back side of [] [tile]; remove back layer of aluminum and composite core.
- B. [Rout edges and bend.] [Route edges and leave for bending after installation.] Add <[6] [10] mm> <<[1/4] [3/8] inch>> to measurement for rolled edges.
- C. Use cardboard pattern as a guide to transfer cutting lines for pipe openings and other irregularities to [s] [tiles].

3.4 CUTTING

- A. Use circular or table saw for straight cuts; jigsaw or coping saw for circular cuts or cutouts.
- B. [For full sheets,] use cutting blades with carbide-tipped or high-speed steel, made for cutting non-ferrous metal.
- C. [For tile,] use a chop saw, hack saw or table saw for straight cuts.
 - 1. Measure and mark cut lines with a marker on protective film.
 - 2. Using a straight edge, score along entire tile using a utility knife.
 - 3. Alternate with a brick set chisel and utility knife to deepen score; bend back and forth until tile separates.
 - 4. Use fine-grit sandpaper or small metal file to debur edges of new cut s.

3.5 INSTALLATION

- A. Install adhesive and metal [s] [tiles] to manufacturer's written instructions and as follows:
 - [OR]
- B. Install metal s using [screws] [nails] [around perimeter of s] [spaced at <[___] mm> <<[___] inches>> o.c.] [In pattern indicated on Drawings]. Drill pilot holes first.
- C. Apply s from inside corner, working outwards and upwards.
- D. For installation of s around a focal point, build out symmetrically from both sides of the focal point.
- E. For installation of s remove protective film on back side of and clean with rubbing alcohol. Apply adhesive to manufacturer's instructions for proper "set-up" technique.
- F. For installation of tiles, peel backing from tile and align into correct position. Dispose of slippery backing sheets as work progresses.
- G. With a soft cloth, apply pressure evenly across [s] [tiles] to remove excess air.
- H. Temporarily brace larger s using clamps or removable painter's tape when using slow-drying adhesives.
- I. Following manufacturer's instructions, bend exposed edges after adhesive has set to achieve desired finish.

- J. Remove excess wet adhesive residue with damp sponge or cloth while still wet and visible.
- K. Wipe clean with dry cloth.

3.6 CLEANING

- A. Section 01 74 00: Cleaning installed work.
- B. Clean completed wall of excess adhesive, dust, dirt, and other contaminants.
- C. Reinstall wall plates and accessories removed prior to work of this Section.

3.7 PROTECTION OF FINISHED WORK

- A. Section 01 78 40: Protecting installed work.
- B. Protect finished [s] [tile] from damage of other work.

3.8 SCHEDULES

- A. Kitchen: Tiles – Brushed Champagne; Herringbone pattern.
- B. Bathroom: s – Brushed Stainless Steel.
- C. Bathroom: Tiles – Brushed Stainless Steel; Running Bond-1 pattern.

END OF SECTION