

Product Name

ASPECT Metal™ Decorative Tiles
OmniClass 2004: Table 22-09 30 29 – Metal Tiling

Associated Specification Section

MasterFormat 1995: Section 09370 – Metal Tile
MasterFormat 2004: Section 09 30 29 – Metal Tiling

Manufacturer's Name

Acoustic Ceiling Products, L.L.C.



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PRODUCT DESCRIPTION

PRODUCT FEATURES

- BASIC USES/RELATED USES
 - Interior decorative tile.
 - Architectural tile for decorative wall surfaces, backsplashes and other applications.
 - Custom architectural and décor applications.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
 - Very flat, lightweight composite construction consisting of a solid polyethylene core sandwiched between aluminum faces.
 - Tiles are manufactured using a four-part proprietary finishing process that includes a polyester top coat finish for durability.
 - Approximately half the weight of solid aluminum.
 - Will not bow or oil-can.
 - Easily cut with tools common to both metal and woodworking industries, such as table saws, panel saws, multiple operation rip/V-grooving saws, portable circular saws, reciprocating and band saws, and routing and shearing equipment.
 - Tiles can be bent in unique ways for inside and outside corners.
 - Self-adhesive, bonding adhesive or tape adhesive applied.
- SELECTION CRITERIA
 - Tile can be attached with adhesive, eliminating need for exposed fasteners or alternately, retaining fasteners can be used.
 - Tiles provide a lightweight alternative to stainless steel paneling, single aluminum sheets, and medium density overlay (MDO) panels, laminated boards, corrugated aluminum composite boards, thick gauge plastics, wood/plywood products or expanded PVC panels.
- APPLICABLE STANDARDS, RELATED REFERENCES
 - ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS
 - Material meets or exceeds ASTM E84 for Class 1 and Class A materials.
- PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS

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PRODUCT DESCRIPTION

- Store tiles flat, in a clean, dry area with consistent temperatures to avoid condensation and moisture collection.
- During handling, do not slide tiles against each other or over rough surfaces.
- **MANUFACTURER'S WARRANTY**
 - Warranty: Manufacturer's limited warranty: Five (5) years.
- **LIMITATIONS**
 - Metal tiles must be attached to a substrate such as primed drywall, plaster or clean, smooth tile.
 - Note: primer must be used. Use a 100% acrylic-based primer.
 - Adhesive attachment must ensure full contact with the aluminum faces, not the thermoplastic core.
 - Care must be taken to avoid damaging the exposed polyester finish during cutting.
 - Material can be cut with a simple utility knife using multiple passes.
 - Avoid contact with dissimilar materials to prevent corrosion or electrolysis.
 - For mechanical fastening materials, use only stainless steel, aluminum or plastic.
- **SAFETY PRECAUTIONS**
 - De-bur sharp edges after cutting with fine surfaced grit sand paper.
- **AVAILABILITY**
 - Nation wide
- **COST**
 - Varies with size of tile or cut sheets, substrate condition and configuration, and relative size of building.
 - Consult manufacturer's national or regional offices for specific product costs or relative costs.

PRODUCT PROPERTIES

- **MATERIALS, COMPOSITION, AND PROPERTIES**
 - Aluminum composite material (ACM):
 - Aluminum Sheet Thickness: 0.30 mm (.012 inch).
 - Core: Solidified cured polyethylene.
- **ACCESSORIES**

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- Adhesives :
 - PB-FSA High Performance Acrylic Adhesive recommended for peel and stick tile.
 - One-component, high strength construction adhesives, silicones and urethanes as recommended by product manufacturer for panels.
- Tape: Double sided foam tape with contact surfaces, as recommended by panel manufacturer.
- Mechanical Fasteners: Threaded fasteners and washers of stainless steel, aluminum or plastic.
- DIMENSIONS
 - Available Tile Thicknesses: 2 mm (0.079 inch), 3 mm (0.118 inch), or 4 mm (0.157 inch).
 - Tile Sizes: 76 x 152 mm (3 x 6 inches).
- SHOP FABRICATION AND ASSEMBLY
 - Shop cutting of custom sheet sizes.
- COLORS AVAILABLE
 - Finished Surface Colors: Brushed Champagne, Brushed Copper, Brushed Stainless Steel.

PRODUCT PLACEMENT

- PREPARATION
 - Ensure substrate surfaces are clean, dry, smooth and free from dust, grease, or wax.
 - Use isopropyl-alcohol two-cloth cleaning method as a minimal surface preparation for all adhesive or tape bonding.
 - Prime substrate with one coat of a high-quality 100% acrylic-based, (not PVA-based) primer.
 - Clean existing ceramic or hard surface tile substrate well; generally primer may not be required.
 - Measurement and Lay-out:
 - Measure first area to be covered; lay-out first tile. Using a temporary marker, transfer measurements to first tile.
 - Plan for bends, corners or edge treatments before cutting.
 - Edges can be routed and left for finish bending. Add 6 -10 mm (1/4 to 3/8 inch) to tile measurement for rolled edges.
 - To fit around pipes and other irregularities or interruptions, transfer cutting lines to the tile using a cardboard pattern as a guide.
- CUTTING

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PRODUCT DESCRIPTION

- Cut using a hacksaw, chopsaw, circular saw or table saw for straight cuts; a jigsaw for circular cuts or cutouts.
- Use cutting blades with carbide-tipped or high-speed hardened steel, made for cutting non-ferrous metal.
- (For Tile only) Alternatively, use a brick set chisel and utility knife for straight cuts as follows:
 - Measure and mark cut lines with a marker on protective film.
 - Using a straight edge, score along entire tile using a utility knife.
 - Alternate with a chisel and utility knife to deepen score; bend back and forth until tile separates.
- Use a fine-grit sandpaper or small metal file to deburr edges of newly cut tiles.
- EDGES AND BENDING
 - To bend tiles for inside or outside corners, use a router to remove a channel (of the composite core material) from the back layer of aluminum and.
 - Achieve small radius bends by "V" routing and folding.
 - A flatter, wider cut will result in a smoother bend.
 - Refer to the following sketches:

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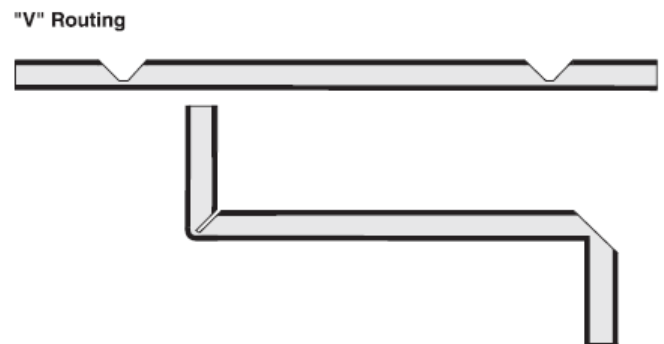
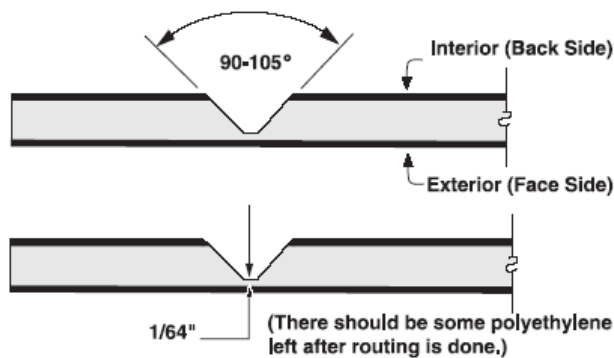


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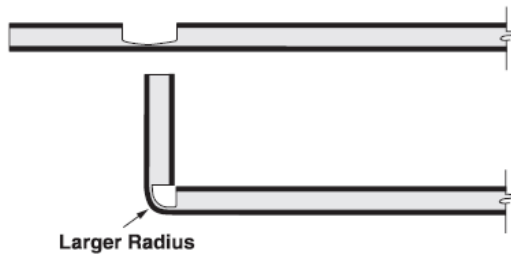
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PRODUCT DESCRIPTION

V-Routing:



Flat Routing:



● **APPLICATION**

- Apply tiles from inside corner, working outwards and upwards.
- If designing layout of tiles to be centered at a focal point, such as behind a sink or stove area, build out from both sides of the focal point, symmetrically.
- Remove protective film on back side of tile and clean with rubbing alcohol. Apply adhesive to manufacturer's instructions for proper "set-up" technique.
- For self-adhesive tiles, peel backing from tile and align into correct position.

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- With a soft cloth, apply pressure evenly across the tile and squeeze out excess air when applying.
 - Temporarily brace tiles using clamps or removable tape when using slow-drying adhesives.
 - After adhesive has set, bend exposed edges to achieve desired finish.
 - Clean Up: Wipe off excess adhesive and adhesive residue with damp sponge or cloth while still wet and visible.
- SAFETY INSTRUCTIONS
 - Do not stand or walk on release paper or tile with release paper to avoid slipping or falling.

Corporate Identification

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Classification and Filing

MasterFormat 2004:
Section 09 30 29 – Metal Tiling

MasterFormat 1995:
Section 09370 – Metal Tile

OmniClass 2004:
OmniClass 2004: Table 22-09 30 29 – Metal Tiling
Table 23-35 10 14 – Wall Tiles

UniFormat 1998:
C30 Interior Finishes
C3010 – Wall Finishes

END