

**CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Richard C. Visconti, R.A., Acting Commissioner  
MEA 156-00-M

**Report of Material and Equipment Acceptance Division**

Manufacturer - MetalWorks LC, 1005 Beaver Grade Road, Moon Township, Pennsylvania 15108-2944.

Trade Name - AstonWood and StoneCrest.

Product - Roofing shingles and roofing flashings.

Pertinent Code Section(s) - 27-337.

Prescribed Test(s) - RS 5-10 (ASTM E108).

Laboratory - Underwriters Laboratories Inc.

Test Report(s) - UL file R16145.

Description - MetalWorks Steel Shingles are manufactured of PVDF painted, G90 galvanized steel including six formed simulated shingle sections of various widths and depths for the AstonWood profile, and five simulated shingle sections of uniform widths and depths for the StoneCrest profile. Each shingle shall lock on all four edges to provide for mechanical connection to adjacent shingle exterior, PVDF paint finish will be one of MetalWorks standard colors and the interior will be painted with a primer and wash-coat.

Dimensions: Width - Overall 39 3/4" (100.965 cm)

Length - Overall 12 5/8" (32.0675 cm)

Exposed Area - 3.28 sq. ft. (39 3/8" x 12")

Weight per Shingle 2.1 lbs. (0.95256 kg)

Weight per Square 64 lbs. (29.0304 kg)

Thickness: Shingle and accessory material = nominal .0135" including G90 Galvanize and coatings. Clip Material = .015" galvanized steel

Paint Coating: Shingles and accessories shall be manufactured using MetalWorks coil coated with G90 galvanized steel.

Exterior Finish: Fluoropolymer (PVDF) with anti-corrosion primer, total 1 mil dry film thickness.

Interior Finish: Wash-coat with anti-corrosion primer, total .6 mil dry film thickness.

Shingle Coverage - Shingles shall be manufactured and boxed 30 panels to a box and 98.4 sq. ft. (9.14 m<sup>2</sup>) to a box.

Shingle Accessories: Ridge/Hip Caps, Start/Eave flashing, Gable/Rake flashing, Valley Pan, Sidewall flashing, J-Channel, and all other accessories as manufactured by MetalWorks.

The roof covering is approved for the following system:

Formed steel panel covering for installation as Class A prepared roof coverings. Limited to 15/32 in. (min) plywood decks with 1/4" in. (min) thick Georgia-Pacific "Dens-Deck" overlayment board or 1/2 in. (min) thick gypsum board with all joints staggered a min of 6 in. from the plywood joints. One layer of Type 15 or 30 felt underlayment may be applied under or over the gypsum barrier.

Formed steel panel covering for installation as Class C prepared roof coverings. Limited to 15/32 in. (min) plywood decks with one layer of Type 30 felt underlayment.

Formed steel panel covering for installation as Class A prepared roof covering. Suitable for installation over minimum 15/32 in. thick plywood decking with existing Class A Asphalt glass fiber mat shingles.

Recommendation - That the above shingle roof covering material be classified as Class A or Class C as per above description, in accordance with Section 27-337 of the Building Code when installed as specified by the testing laboratory. All shipments and deliveries of such materials shall be provided with metal tag certifying that the assembly shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance JUN 28 2000

Examined By S Dorkhudam