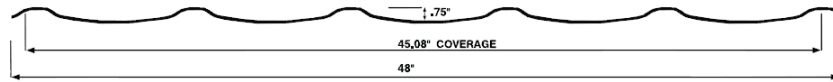


SPECIFICATION DATA SHEET



PRODUCT NAME:

Bravo 350

MANUFACTURER:

London Eco-Metal Manufacturing Inc.
 531 Shaw Road
 Dorchester, ON N0L 1G4
 1-855-838-9393

PRODUCT DESCRIPTION:

Basic Uses: Bravo 350 is a metal tile facsimile panel to be used for roofing on both residential and commercial buildings. Bravo 350 may be used for new construction or re-roofing. Minimum pitch recommended is 3:12. Bravo 350 may be applied directly over the old roofing material, without the need for tear-off and disposal.

Composition & Materials: Standards Offerings: Panels are roll-formed from .019 nom gauge, Z275 (G90) - galvanized steel, Grade FS-B or PFQ DS.

Sizes and Profiles: Bravo 350 panels are in the form of an "S" or Spanish style tile. Panels are 48" wide nominal, including a 2.5" side lap. The length of the "tile" is 13 3/4 and the width of the "scallop" is a 9 1/16 "repeat. The "step" on the tile is 25/32" (20 mm). Panels lengths are cut to customer specification and can range from 20" minimum to any transportable length.

Colors & Finishes: A choice of 14 colors is available in a "BeckryTech" (Granite Deep Mat) finish. Bravo 350 specified with matte finish.

Weight: 0.96 lb./sq. ft.

TECHNICAL DATA:

BeckryTech or Granite Deep Mat based finishes tests by paint
Supplier for:
 Dry Film Thickness: **ASTM D 5796**, Standard Test Method for Measurement of Dry-Film Thickness of Organic Coatings **D1005 - 95(2007)**
 Standard Practices for Measurement of Dry Film Thickness of Protective Coating Systems by Destructive **D4138 - 07a**
 Standard Practice for Visual Appraisal **ASTM D1729-96**
 Specular Glass: **ASTM D 523**
 Pencil Hardness: **ASTM D 3363**
 Solvent Resistance: **ASTM D5402-06**
 Cross-Hatch Adhesion: **ASTM D3359**
 Impact Resistance: **ASTM D 2794**
 T-Bend Flexibility: **ASTM D 4145**
 Humidity Resistance: **ASTM D 2247**
 Standard Practice for Testing Water Resistance of Coatings **ASTM D 4585-07**
 Salt Spray: **ASTM B 117**
 Color Retention: **ASTM D 2244**
 Chalking Resistance: **ASTM D 4214**
 Abrasion Resistance: **ASTM D 968**
 Flame Spread Rating; **ASTM E 84**
 Fire Resistance: **UL 790/ASTM E 108** external fire performance - Class A Fire Rating
 Impact Resistance: **UL2218 Grade 4** (2" x 20')
 Steel: **ASTM A 792**
 Coil Coating: **ASTM A755 / A755M - 11**

INSTALLATION

Bravo 350 panels are installed vertically up the slope of the roof. The panel is installed with metal fasteners long enough to penetrate the solid substrate. Installation manuals or hands-on training via seminars are available through London Eco-Metal Manufacturing Inc. Seminars as per calendar available on www.londonecometal.com

AVAILABILITY & COST

Availability: Bravo 350 panels are available through London Eco-Metal Manufacturing Inc. A complete line of related components and trim accessories is available to complete the roof system. Flat sheet and/or coil stock in matching color is also available for fabrication of related accessories by the installing contractor.

Cost: Contact London Eco-Metal Manufacturing Inc. for current pricing.

WARRANTY

Bravo 350 carry a fifty (50) year limited warranty Canada and Continental U.S.

MAINTENANCE

Bravo 350 panels are virtually maintenance free. Surface residue may be easily removed by conventional cleaning methods. Minor scratches may be touched up with a matching paint, available from the manufacturer.

TECHNICAL SERVICES

Technical information and literature are available at www.londonecometal.com London Eco-Metal Manufacturing Inc. will assist with design ideas and shop drawings.

Additional product information is available from the manufacturer upon request

TF 1-855-838-9393