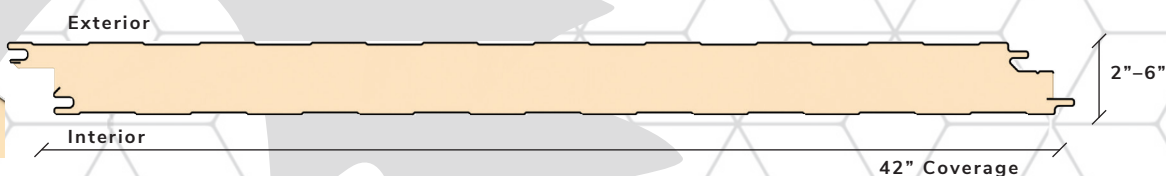
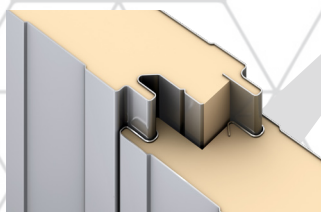
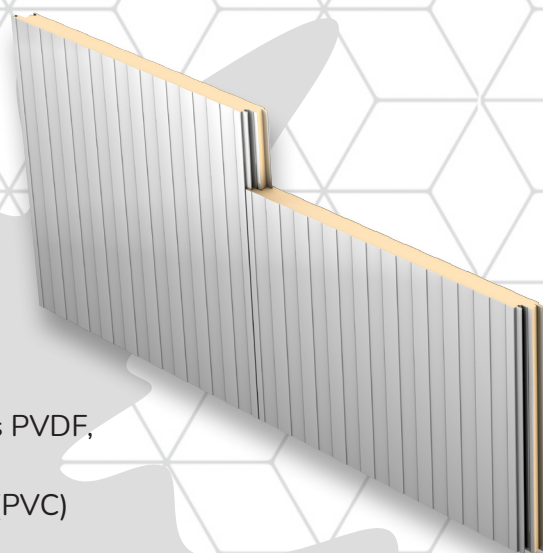


*MesaLine is our most widely accepted and used insulated metal panel. Utilized in both cold-storage and commercial/industrial applications, the lined profile provides strength, facilitates foam adhesion and helps minimize natural imperfections in the steel faces. The shallow Mesa rib and the unique Green-Lock side-joint help ensure a high-performance vapor seal.*

|                    |                                                                   |
|--------------------|-------------------------------------------------------------------|
| Panel Use          | Exterior Wall, Partition Wall, Liner Wall, Ceiling                |
| Coverage Width     | 42-inch                                                           |
| Thickness          | 2, 2.5, 3, 4, 5, 6-inch                                           |
| Length             | 8'-0" to 53'-0"                                                   |
| Exterior Gauge     | 26, 24, 22                                                        |
| Interior Gauge     | 26                                                                |
| Exterior Substrate | Galvalume®, Stainless Steel                                       |
| Interior Substrate | Galvalume®, Stainless Steel                                       |
| Exterior Finish    | Polyester, Siliconized Polyester, low-gloss PVDF, Plastisol (PVC) |
| Interior Finish    | Polyester, Siliconized Polyester, Plastisol (PVC)                 |
| Exterior Texture   | Embossed, Smooth                                                  |
| Interior Texture   | Embossed, Smooth                                                  |
| Joint              | Green-Lock, offset double tongue-and-groove                       |
| Core               | Continuously poured-in-place polyisocyanurate insulating foam     |
| R-Value            | R-8 per inch of thickness (nominal)                               |



*"Built to Perform, Built to Last, Built Right"*

## TESTING: MESALINE INSULATED METAL PANEL

| TYPE                             | TEST PROTOCOL         | DESCRIPTION                                                                                                                                                                 | RESULTS                                                                                                              |
|----------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL PERFORMANCE</b> | ASTM C518             | Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus                                                                                      | K-Factor 0.139 BTU-in/hr-ft <sup>2</sup> -F° at 75° mean<br>K-Factor 0.129 BTU-in/hr-ft <sup>2</sup> -F° at 35° mean |
|                                  | ASTM E283             | Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen                                              | 0.0011-cfm/sf at 20-psf                                                                                              |
|                                  | ASTM E331             | Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference                                                         | Zero penetration at 20-psf                                                                                           |
| <b>FOAM CORE CHARACTERISTICS</b> | ASTM C273             | Shear Properties of Sandwich Core Materials                                                                                                                                 | Shear Strength = 16-psi                                                                                              |
|                                  | ASTM D1621            | Compressive Properties of Rigid Cellular Plastics                                                                                                                           | Compressive Strength — 18-psi                                                                                        |
|                                  | ASTM D1622            | Apparent Density of Rigid Cellular Plastics                                                                                                                                 | Apparent Density — 2.25-pcf                                                                                          |
|                                  | ASTM D1623            | Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics                                                                                                          | Tensile Strength — 21-psi                                                                                            |
|                                  | ASTM D6226            | Open Cell Content of Rigid Cellular Plastics                                                                                                                                | Open Cell Content ≥ 90% closed cells                                                                                 |
| <b>FIRE RESISTANCE</b>           | ASTM E84              | Surface Burning Characteristics of Building Materials                                                                                                                       | Flame Spread < 25, Smoke Developed < 450                                                                             |
|                                  | NFPA 285              | Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components                 | Passed — see technical bulletin ATB-0007                                                                             |
|                                  | FM 4880               | Factory Mutual Approval Standard for Class 1 Fire Rating of Insulated Wall or Wall and Roof/Ceiling Panels, Interior Finish Materials or Coatings and Exterior Wall Systems | Class 1 Fire Rated — see technical bulletin ATB-0005                                                                 |
| <b>IMPACT RESISTANCE</b>         | FM 4881               | Factory Mutual Approval Standard for Class 1 Exterior Wall Systems                                                                                                          |                                                                                                                      |
|                                  | TAS 201               | Florida Building Code Impact Test Procedure                                                                                                                                 | Miami Dade County NOA No. 20-1202.02                                                                                 |
| <b>ENGINEERING PROPERTIES</b>    | ASTM E1592            | Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference                                                                     | See Load Tables                                                                                                      |
|                                  | ASTM E72              | Strength Tests of Panels for Building Construction                                                                                                                          | See Load Tables                                                                                                      |
|                                  | FM 4881               | Factory Mutual Approval Standard for Class 1 Exterior Wall Systems                                                                                                          | Class 1 Approved — see technical bulletins ETB-0008 and ETB-0013                                                     |
| <b>APPROVALS</b>                 | Miami-Dade County     | Miami-Dade County Product Control Section — Notice of Acceptance                                                                                                            | Miami Dade County NOA No. 20-1202.02                                                                                 |
|                                  | State of Florida      | Florida Product Approval                                                                                                                                                    | 16327.1 R3                                                                                                           |
|                                  | TX Dept. of Insurance | Product Evaluation                                                                                                                                                          | Evaluation ID: EC-103                                                                                                |
| <b>BOND STRENGTH</b>             | Fatigue Endurance     | 2,000,000 Alternating Cycles of L/180 Deflection                                                                                                                            | No evidence of facer or liner delamination, fracture of foam core or permanent set                                   |
|                                  | Freeze/Heat Cycle     | Twenty-One (21) Eight-hour Temperature Cycles (-20° F to 180° F)                                                                                                            | No evidence of delamination, blistering or permanent set                                                             |
|                                  | Humidity Endurance    | 1,200 Hours of 93% Humidity at a Temperature of 158° F                                                                                                                      | No evidence of delamination, blistering or interface corrosion                                                       |
|                                  | Autoclave             | Exposure to 218° F and a pressure of 2-psig for 2½ hours                                                                                                                    | No evidence of facer or liner delamination                                                                           |

