

R-Mer Lite® II

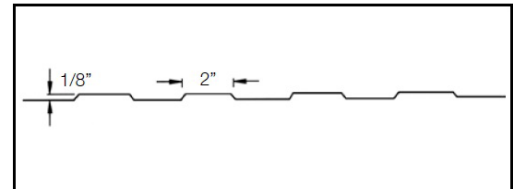
Insulated Steel Roof System



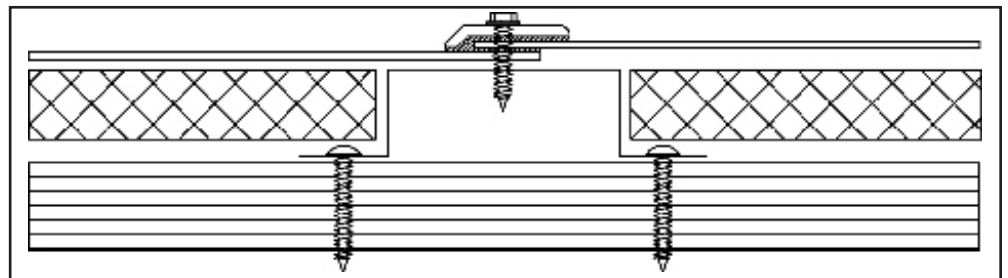
OVERVIEW & FEATURES

The R-Mer Lite II Insulated Steel Roof System accommodates slope down to 1/2" per foot and is adaptable to a wide range of building configurations. Using Galvalume steel panels R-Mer Lite is both light weight, weighing in just under 1 lb. per foot, and resistant to severe weather conditions. Panels are fasted to tough 22 gauge (.0336 Nom) Galvalume steel hat channels, restraining all thermal movement in the seam with the stabilizing compression bar, and avoiding thermal bridging. Large panel sizes typically help to keep thermal movement away from the seams, and make installation fast and easy. R-Mer Lite is ideal for both retrofit and new construction projects.

PANEL PROFILE



SEAM DETAIL



STANDARD ASSEMBLY DETAIL



R-Mer Lite® II

DESIGN CHARACTERISTICS

- All components are completely ecologically safe; 66% of all steel is actually recycled
- 1 lb./sq. ft. (2.4-3.3 kg/m²) installed weight makes system retrofit safe in normal situation
- No periodical re-coating required; compression bar protects sealants for life-time performance
- Most studies conclude metal is the least expensive 30 year roof
- Compression bar transfers movement to designed movement absorption points in the membrane
- Non-thermal bridging design removes possibility for screw deterioration and back out
- No kettles, torches, volatile solvents, fumes, odors or hazardous waste used in system
- Abrasion resistant coating withstands regular foot traffic not tolerated by conventional systems
- Panel widths from 4'-10' and panel lengths up to 100'
- Standard Color: White - ENERGY STAR®, Title 24 and CRRC® qualified

TEST CLASSIFICATIONS

- FM Class 1-60, 1-90 in accordance with 4470 test procedures
- UL 90 classification in accordance with UL 1897 test procedure
- Class A fire rating in accordance with UL 790
- ASTM A 792/ A 792M: Standard specification for steel sheet, 55% aluminum-zinc alloy coated by the hot dip process
- ASTM E 108: Standard test methods for fire tests of roof coverings
- ASTM E 2140: Water penetration of metal roof panel systems by static head pressure
- AC 166: Wind driven rain resistance of metal roof coverings

For specific application recommendations and coverage rates, please contact your local Garland Representative or Garland Technical Service Department.



*only on qualified colors

The R-Mer Lite II product is patented by U.S. Patent #7,963,081, #8,127,512 and #8,171,689 and Canada Patent # 2,504,398

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or Garland Corporate Office for more information.

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