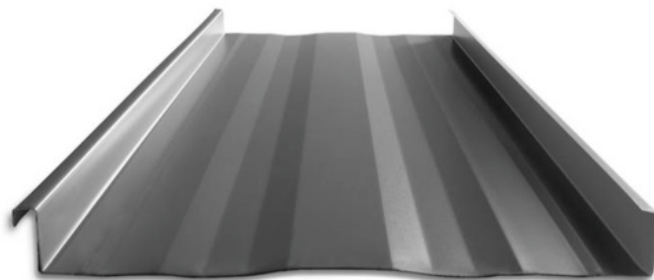




ICC
EVALUATION
SERVICE®

ICC-ES EVALUATION REPORT #5046 with CBC-CRC Supplement

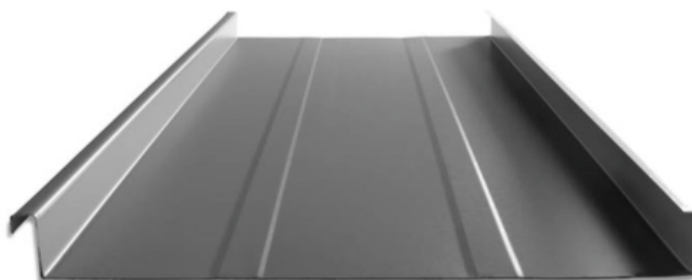
12", 16" & 20" coverage options
(other widths inquire)



STRIATIONS

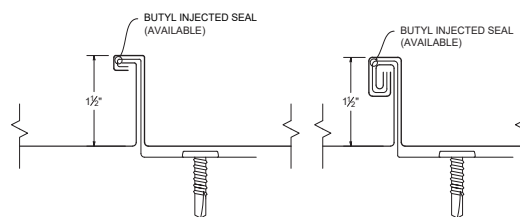


The MS-150™ is a mechanically seamed roof that is perfect for high wind areas and snow country. The butyl injected seam prevents water from entering the system, giving you a worry free roof for a lifetime.



ACCENT RIBS

2 Accent ribs for 12" & panels (Salem & Riverside)
3 Accent ribs for 16" & 20" panels
2 Accent ribs for all panels (Sacramento)



90° SEAM DETAIL

180° SEAM DETAIL

KEY FEATURES

- 12", 16" & 20" coverage options (*other widths inquire*)
- 24 & 22 Tru-Gauge™ and .032" Aluminum
- 16 & 20 oz. Copper (*Please inquire*)
- Zinc Coil (*inquire for thicknesses*)
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1-1/2" vertical rib
- Factory injected Butyl sealant
- Clip Relief is not standard, available upon request
- Concealed fasteners: fasteners cannot leak
- 1:12 minimum pitch recommended (*For lower pitches, please inquire*)
- Standard panel lengths 3' to 60' - notched
Standard panel lengths 1' to 60' - not notched (*For longer panels, please inquire*)
- Onsite roll forming available
- Panel options: Striations, Accent Ribs, and Flat Pan
- OverEZee retro-fit systems available
- Weather tightness warranty available:
(*Contact TMP representative for details*)

TESTING

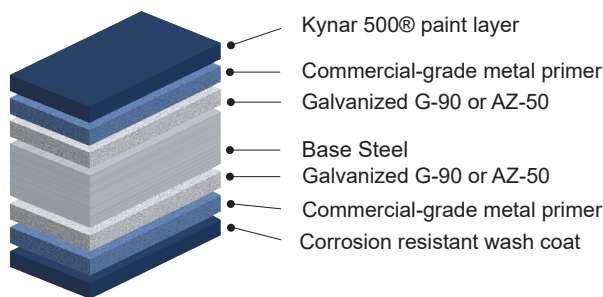
-  ICC #5046 with CBC-CRC Supplement
-  Code compliance UL Evaluation Report
UL ER #25913-01
- UL Construction No. 554, 588, 603, 604, 605
- UL 580 Class 90 - Wind Uplift
- UL 790 Class A (ASTM E108) - Fire rated
- UL 2218 Class 4 - Impact (hail) rated
- ASTM E1680 - Air Infiltration (roof)
- ASTM E283 - Air Infiltration(wall)
- ASTM E1646 - Water Infiltration (roof)
- ASTM E331 - Water Infiltration(wall)
- ASTM E1514 - Standard for Structural Standing steel roof panels systems.
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - Zinalume/Galvalume AZ-50/55
- ASTM B209 - Aluminum Substrate
- ASTM E2140 Standard Test Method for Water Penetration (full immersion)
- ASTM E2886 - Ember Resistant ridge/endwall/peak flashings available

MATERIAL SPECIFICATIONS

- 24 Tru-Gauge™ Kynar 500® Painted Steel
- ▲ 22 Tru-Gauge™ Kynar 500® Painted Steel
- ♦ .032" Kynar 500® Painted Aluminum
- 24 Tru-Gauge™ G-90 Galvanized or AZ-50
- 24 and 22 Tru-Gauge™ bare Zinalume® Plus AZ-55
(No finish warranty – 25 yr. perforation warranty)
- G-90 Galvanized or AZ-50
- .040" Kynar 500® Painted Aluminum (please inquire)
- 24 Tru-Gauge™ Bonderized
- 22 gauge Rusteel Plus™ (A606)
- Custom 20 & 18 Tru-Gauge™ and .050" and .063" Aluminum (please inquire)
- 16 OZ & 20 OZ Real Copper (please inquire)
- Kynar 500® and substrate testing data available (See website)
- PVDF is a fluoropolymer that is manufactured under the trademarked names Kynar 500® and Duranar® (PPG). Paint finishes containing a minimum 70% PVDF resin meet the high-performance weathering criteria established by the American Architectural Manufacturing Association and are allowed to carry the Kynar500® trademarked name. Zinalume & Zinalume® Plus are registered trademarks of Bluescope Ltd. Galvalume® is a registered trademark of BIEC International, Inc. Vintage® is a registered trademark of Steelscape, Inc. Kynar® and Kynar 500® is a registered trademarks of Arkema, Inc.

FINISHES

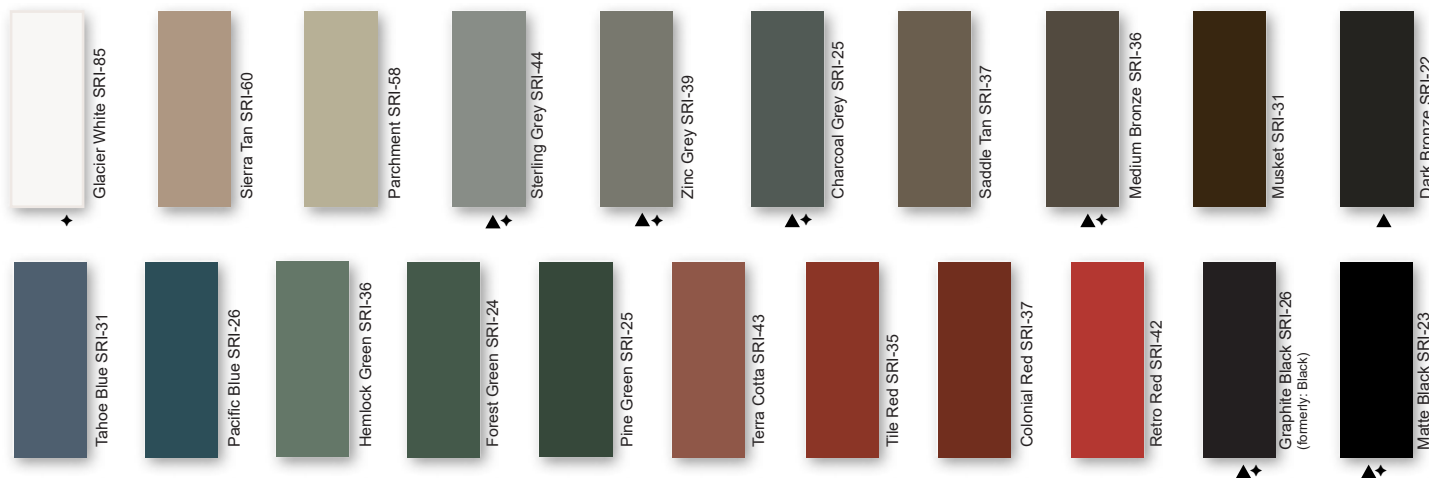
- 21 Standard Colors, 5 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System - the ultimate in exterior durability and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior quality, two coat, 70% resin finish, applied at a 1 mil. thickness
- 40 year residential paint warranty
- 20 and 30 year commercial paint warranty: Contact TMP for warranty specifications
- "Oil Canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection



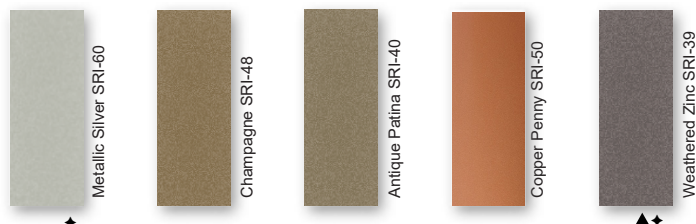
STANDARD COOL KYNAR 500® COLORS

▲ 22 Tru-Gauge™

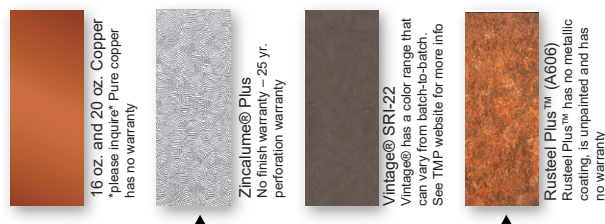
♦ .032 Aluminum



PREMIUM METALLIC COOL KYNAR® COLORS



SPECIALIZED MATERIAL



These printed chips provide a close representation of the colors.

Metal samples are available upon request. Coatings are low gloss 10-15% sheen. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing. ***Oil canning is not a cause for material rejection***



Rev. Date 10-25