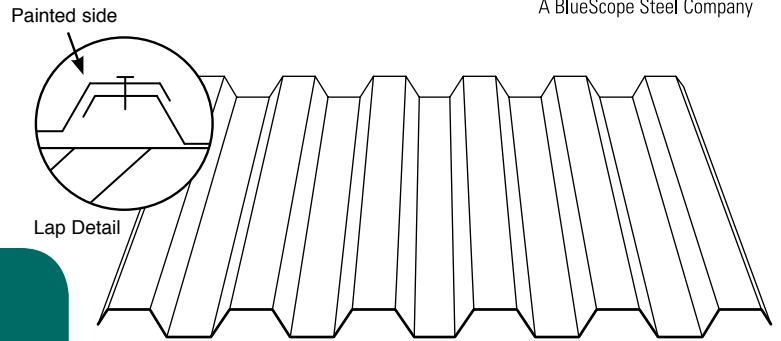


Featuring

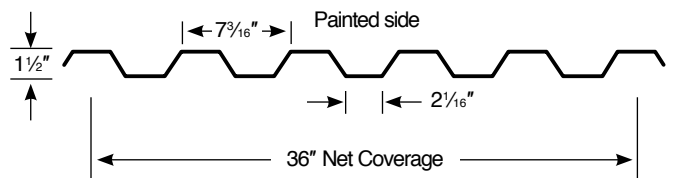
Zincalume[®] For Twice the Life!

Zincalume combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

HR-36 Roof & Wall is a through-fastened metal panel with 36" net coverage. HR-36 Roof & Wall is predominantly used in industrial and commercial applications.



HR-36 Roof & Wall (Typical Roof Application)



36" HR-36 Roof and Wall Section Properties

| Gauge | Base Steel Thickness (in) | Yield (ksi) | Tensile (ksi) | Wt. (lbs/ft ²) | S+ (in ³ /ft) | I+ (in ⁴ /ft) | S- (in ³ /ft) | I- (in ⁴ /ft) |
|-------|---------------------------|-------------|---------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 24 | 0.0232 | 50 | 65 | 1.2 | 0.1239 | 0.1133 | 0.1121 | 0.1100 |
| 22 | 0.0294 | 50 | 65 | 1.5 | 0.1686 | 0.1500 | 0.1544 | 0.1500 |
| 20* | 0.0354 | 40 | 55 | 1.8 | 0.2263 | 0.1933 | 0.2076 | 0.1933 |
| 18* | 0.0459 | 40 | 55 | 2.3 | 0.3107 | 0.2567 | 0.2947 | 0.2567 |

* 18 and 20 gauge supplied as G-90 galvanized.

NOTE: The moments of inertia, I⁺ and I⁻, presented for determining deflection are: $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

features | benefits

- Wider coverage means fewer panels to handle and install, saving time and money.
- Long spanning capability: design provides superior load and span capacities, saving money in structural support.
- Quick, standard economical trim packages available and can be ordered by number.
- Crimp curving available for a unique appearance.
- Fiberglass panels are available to match the profile of the metal panels.
- 24 gauge through 18 gauge panels available in the *cool* DuraTech[®]5000 (polyvinylidene fluoride) or DuraTech mx (metallic polyvinylidene) coatings or Zincalume Plus*. 18, 20 and 22 gauge panels require longer lead times.

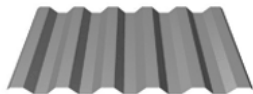
HR-36®

HR-36® is a through-fastened metal panel with 36" net coverage. HR-36 is predominantly used in industrial and light commercial applications.

- :: [PRODUCT SPECIFICATIONS](#)
- :: [FEATURES / BENEFITS](#)
- :: [COLORS AND WARRANTIES](#)
- :: [AUTOCAD DETAILS](#)



PRODUCT SPECIFICATIONS



HR 36 offers long spanning capabilities, providing superior load and span capacity, saving money in structural support.

[Product Guide/Load Tables](#) (pdf)
[Details and Installation Guide Book](#) (pdf)
[Guide Specifications](#) (pdf) (doc)
[ICC Report: ESR-2409](#) (pdf)

FEATURES / BENEFITS

- Wider coverage means fewer panels to handle and install, saving time and money.
- Long spanning capability: design provides superior load and span capacities, saving money in structural support.
- Quick, economical trim packages available as standard trim pieces that can be ordered by number.
- High tensile steel panels in 26 gauge available in a variety of cool colors with DuraTech®nt coating or unpainted Zinalume® or Galvalume® Plus.
- Exceptional value in high tensile steel 29 gauge panels coated with the ColorGuardxt coating system. Choose from Surf White, Desert Beige, Lightstone or Zinalume® or Galvalume® Plus for unpainted applications.
- Fiberglass panels are available in matching profile.
- Recommended minimum slope of 1:12.
- Manufactured in Fontana, CA and Tacoma, WA.

| 36" HR-36 Roof and Wall | | | | | | | | |
|-------------------------|------|-------|--------------------------|-------|-------|-------|-------|-------|
| Gauge | Span | Cond. | Allowable Span (ft.-in.) | | | | | |
| | | | 10 | 20 | 25 | 30 | 40 | 50 |
| 24 | SS | f | 15-8 | 11-1 | 9-11 | 9-1 | 7-10 | 7-0 |
| | | L/180 | 9-11 | 7-10 | 7-4 | 6-10 | 6-3 | 5-9 |
| | DS | f | 14-11 | 10-7 | 9-5 | 8-7 | 7-5 | 6-8 |
| | | L/180 | 13-4 | 10-7 | 9-5 | 8-7 | 7-5 | 6-8 |
| | TS | f | 16-5 | 11-12 | 10-11 | 9-10 | 8-8 | 7-7 |
| | | L/180 | 12-3 | 9-9 | 9-0 | 8-6 | 7-9 | 7-2 |
| 22 | SS | f | 18-4 | 12-11 | 11-7 | 10-7 | 9-2 | 8-2 |
| | | L/180 | 10-11 | 8-8 | 8-0 | 7-7 | 6-10 | 6-4 |
| | DS | f | 17-6 | 12-5 | 11-1 | 10-1 | 8-9 | 7-10 |
| | | L/180 | 14-8 | 11-7 | 10-9 | 10-1 | 9-9 | 8-10 |
| | TS | f | 19-8 | 13-2 | 12-0 | 11-11 | 9-10 | 8-9 |
| | | L/180 | 13-6 | 10-8 | 9-11 | 9-4 | 8-6 | 7-10 |
| 20 | SS | f | 19-0 | 13-5 | 12-0 | 10-11 | 9-6 | 8-6 |
| | | L/180 | 11-11 | 9-5 | 8-9 | 8-3 | 7-6 | 6-11 |
| | DS | f | 18-2 | 12-10 | 11-6 | 10-6 | 9-1 | 8-1 |
| | | L/180 | 15-11 | 12-7 | 11-6 | 10-6 | 9-1 | 8-1 |
| | TS | f | 20-8 | 14-2 | 12-1 | 11-12 | 10-10 | 9-9 |
| | | L/180 | 14-8 | 11-8 | 10-10 | 10-2 | 9-3 | 8-7 |
| 18 | SS | f | 22-3 | 15-9 | 14-1 | 12-10 | 11-1 | 9-11 |
| | | L/180 | 13-1 | 10-4 | 9-7 | 9-0 | 8-3 | 7-7 |
| | DS | f | 18-8 | 12-4 | 11-8 | 10-6 | 9-10 | 8-8 |
| | | L/180 | 17-6 | 12-11 | 11-11 | 10-2 | 9-10 | 8-8 |
| | TS | f | 24-0 | 17-5 | 15-3 | 14-2 | 12-0 | 10-11 |
| | | L/180 | 16-2 | 12-10 | 11-11 | 11-2 | 10-2 | 9-5 |

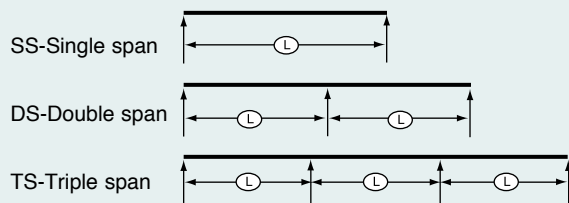
| 36" HR-36 Roof and Wall | | | | | | | | | |
|-------------------------|------|-------|--|-----|-----|-----|-----|-----|------|
| Gauge | Span | Cond. | Allowable Load (lbs/ft ²) Span (ft.-in.) | | | | | | |
| | | | 4-0 | 5-0 | 6-0 | 7-0 | 8-0 | 9-0 | 10-0 |
| 24 | SS | f | 154 | 99 | 68 | 50 | 38 | 30 | 24 |
| | | L/180 | 154 | 79 | 45 | 28 | 19 | 13 | 9 |
| | DS | f | 140 | 89 | 62 | 45 | 35 | 27 | 22 |
| | | L/180 | 140 | 89 | 62 | 45 | 35 | 27 | 22 |
| | TS | f | 175 | 112 | 77 | 57 | 43 | 34 | 28 |
| | | L/180 | 175 | 112 | 77 | 54 | 36 | 25 | 18 |
| 22 | SS | f | 210 | 134 | 93 | 68 | 52 | 41 | 33 |
| | | L/180 | 205 | 105 | 60 | 38 | 25 | 18 | 13 |
| | DS | f | 192 | 123 | 85 | 63 | 48 | 38 | 30 |
| | | L/180 | 192 | 123 | 85 | 63 | 48 | 38 | 30 |
| | TS | f | 241 | 154 | 107 | 78 | 60 | 47 | 38 |
| | | L/180 | 241 | 154 | 107 | 72 | 48 | 33 | 24 |
| 20 | SS | f | 226 | 144 | 100 | 73 | 56 | 44 | 36 |
| | | L/180 | 226 | 135 | 78 | 49 | 33 | 23 | 16 |
| | DS | f | 207 | 132 | 92 | 67 | 51 | 41 | 33 |
| | | L/180 | 207 | 132 | 92 | 67 | 51 | 41 | 33 |
| | TS | f | 259 | 166 | 115 | 84 | 64 | 51 | 41 |
| | | L/180 | 259 | 166 | 115 | 84 | 62 | 43 | 31 |
| 18 | SS | f | 310 | 198 | 138 | 101 | 77 | 61 | 49 |
| | | L/180 | 310 | 179 | 104 | 65 | 43 | 30 | 22 |
| | DS | f | 294 | 188 | 130 | 96 | 73 | 58 | 47 |
| | | L/180 | 294 | 188 | 130 | 96 | 73 | 58 | 47 |
| | TS | f | 368 | 235 | 163 | 120 | 92 | 72 | 58 |
| | | L/180 | 368 | 235 | 163 | 120 | 82 | 58 | 42 |

LOADING TABLE LEGEND

f-Load limited by flexural bending stress

L-Span (Inches)

L/180-Load limited by a deflection of 1/180 of the span



NOTES:

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume) with 40,000 psi minimum yield for 20 gauge and 18 gauge, and 50,000 psi minimum yield for 24 gauge and 22 gauge.
- Tabulated values are for positive loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

Specifications subject to change without notice.