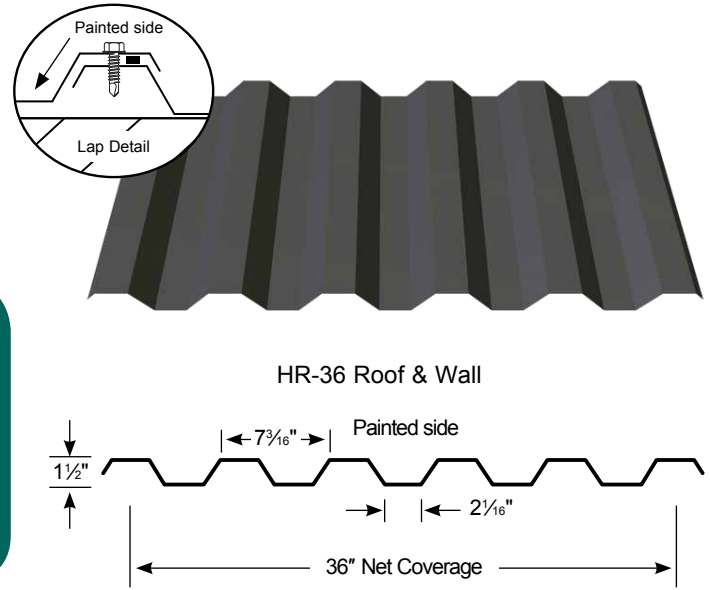


HR-36 is an economical, structural, exposed-fastener roof and wall panel suitable for general usage.


HR-36 is ideal for architectural, commercial, industrial and agricultural roof and wall applications. Can be installed as a vertical or horizontal wall. **HR-36** is also well suited for open framed canopy or carports designs.



| Properties | | | | | | | | | Standard Finishes | |
|------------|---------------------------|-------------|---------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|---|
| Gauge | Base Steel Thickness (in) | Yield (ksi) | Tensile (ksi) | Wt. (lbs/ft ²) | I+ (in ⁴ /ft) | S+ (in ³ /ft) | I- (in ⁴ /ft) | S- (in ³ /ft) | Metallic Coating | Paint System |
| 29 | 0.0139 | 80 | 82 | 0.72 | 0.0701 | 0.0502 | 0.0690 | 0.0418 | AZ50 | ColorGuard™ xt |
| 26 | 0.0173 | 80 | 82 | 0.89 | 0.0889 | 0.0762 | 0.0873 | 0.0623 | AZ50 | Cool Dura Tech™ nt |
| 24 | 0.0232 | 50 | 65 | 1.19 | 0.1267 | 0.1272 | 0.1200 | 0.1132 | AZ50 | Cool Dura Tech™ 5000 (polyvinylidene fluoride) or Dura Tech™ mx (metallic polyvinylidene) |
| 22 | 0.0294 | 50 | 65 | 1.51 | 0.1600 | 0.1759 | 0.1600 | 0.1559 | AZ50 | |
| 20 | 0.0354 | 40 | 55 | 1.82 | 0.2000 | 0.2371 | 0.2000 | 0.2095 | G90 | |
| 18 | 0.0459 | 40 | 55 | 2.36 | 0.2600 | 0.3160 | 0.2600 | 0.2987 | G90 | |

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

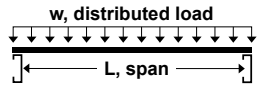
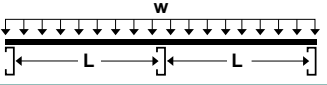
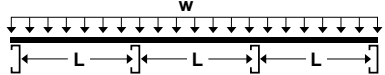
standard features

- 36" coverage roof and wall panel.
- Minimum recommended slope 1:12.
- Gauges: 22ga, 24ga and 26ga in standard finishes and 20ga available in ZINCALUME[®] Plus.
- Refer to AEP Span Color Charts for full range of color options and paint systems.
- Custom manufactured panel lengths: 6'-0" to 50'-0".
- Matching fiberglass panels available.
- Testing: ASTM E1680 (air infiltration) and ASTM E1646 (water infiltration).
- Roof assemblies Class A Fire Rated when installed on non-combustible deck or framing per IBC or IRC or when installed in accordance to UL listings (UL790). Wall assemblies rated for fire resistance (UL263) when installed in accordance with UL listings.
- Building Code Approval Report: #ER-0550. 
- Manufactured in Fontana, CA and Tacoma, WA.

optional features

- Short cut sheets from 6'-0" to 1'-0". Additional fees and lead times may apply.
- 18ga and 20ga available in G-90 with standard and custom colors subject to a minimum order size of 4,500 square feet and longer lead times.
- 18ga available in bare G-90 galvanized subject to a minimum order size of 18,000 square feet and longer lead times.
- Custom colors, thick film primer and/or clear coat paint finishes available. Subject to 4,500 square feet minimum order.* (See back)
- Perforation options available for an additional charge. Minimum order size 1,500 square feet (Inquire for smaller orders). Select from standard perforation patterns with open areas of 7.8%, 13.8%, 23.4%, 30.6% or 41.4%.
- Stucco embossed available on 29ga, 26ga, 24ga and 22ga. Subject to minimum order size of 1,500 square feet.

| Gauge | Span | Cond. | Allowable Inward Loads (lbs/ft ²) per Span (ft.-in.) | | | | | | | | |
|-------|-------------|----------|--|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | 2'-0" | 2'-6" | 3'-0" | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 10'-0" |
| 29 | Single Span | ASD, W/Ω | 300 | 192 | 134 | 75 | 48 | 33 | 25 | 19 | 12 |
| | | L/180 | - | - | - | - | - | 28 | 18 | 12 | 6 |
| | Double Span | ASD, W/Ω | 189 | 132 | 96 | 57 | 37 | 27 | 20 | 14 | 10 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| | Triple Span | ASD, W/Ω | 218 | 154 | 114 | 69 | 45 | 32 | 24 | 18 | 11 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| 26 | Single Span | ASD, W/Ω | 456 | 292 | 203 | 114 | 73 | 51 | 37 | 29 | 18 |
| | | L/180 | - | - | - | - | 62 | 36 | 23 | 15 | 8 |
| | Double Span | ASD, W/Ω | 301 | 205 | 149 | 87 | 57 | 40 | 29 | 22 | 14 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| | Triple Span | ASD, W/Ω | 351 | 244 | 178 | 107 | 70 | 49 | 36 | 28 | 18 |
| | | L/180 | - | - | - | - | - | - | - | - | 15 |
| 24 | Single Span | ASD, W/Ω | 635 | 406 | 282 | 159 | 102 | 71 | 52 | 40 | 25 |
| | | L/180 | - | - | - | - | 89 | 51 | 32 | 22 | 11 |
| | Double Span | ASD, W/Ω | 505 | 335 | 237 | 136 | 88 | 61 | 45 | 35 | 22 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| | Triple Span | ASD, W/Ω | 605 | 406 | 290 | 168 | 109 | 76 | 56 | 44 | 27 |
| | | L/180 | - | - | - | - | - | - | - | 41 | 21 |
| 22 | Single Span | ASD, W/Ω | 878 | 562 | 390 | 219 | 140 | 98 | 72 | 55 | 35 |
| | | L/180 | - | - | - | 219 | 112 | 65 | 41 | 27 | 14 |
| | Double Span | ASD, W/Ω | 715 | 471 | 332 | 189 | 122 | 85 | 63 | 48 | 30 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| | Triple Span | ASD, W/Ω | 866 | 576 | 409 | 235 | 152 | 106 | 78 | 60 | 39 |
| | | L/180 | - | - | - | - | - | - | 77 | 52 | 26 |
| 20 | Single Span | ASD, W/Ω | 947 | 606 | 421 | 237 | 151 | 105 | 77 | 59 | 38 |
| | | L/180 | - | - | - | - | 140 | 81 | 51 | 34 | 17 |
| | Double Span | ASD, W/Ω | 778 | 510 | 360 | 205 | 131 | 92 | 68 | 51 | 33 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| | Triple Span | ASD, W/Ω | 946 | 626 | 443 | 254 | 164 | 114 | 84 | 64 | 41 |
| | | L/180 | - | - | - | - | - | - | - | - | 33 |
| 18 | Single Span | ASD, W/Ω | 1261 | 807 | 561 | 315 | 202 | 140 | 103 | 79 | 50 |
| | | L/180 | - | - | - | - | 182 | 105 | 66 | 44 | 23 |
| | Double Span | ASD, W/Ω | 1094 | 720 | 508 | 291 | 187 | 130 | 96 | 73 | 47 |
| | | L/180 | - | - | - | - | - | - | - | - | - |
| | Triple Span | ASD, W/Ω | 1322 | 880 | 625 | 360 | 233 | 163 | 120 | 92 | 59 |
| | | L/180 | - | - | - | - | - | - | - | 84 | 43 |

| | | | |
|--------------|-------------|---|--|
| Inward Loads | Single Span |  | NOTES: Top values based on allowable stress (ASD). Bottom values based on a deflection limit of L/180. "-" denotes that the allowable load is limited by the panel stress vs. deflection limit. Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (ZINCALUME) structural steel. Tabulated values are for positive (inward) uniform loading only. Values are based on the American Iron and Steel Institute "Cold Formed Steel Design Manual" (AISI S100-12). Refer to aepspan.com for more complete HR-36 performance data. |
| | Double Span |  | |
| | Triple Span |  | |

* Inquire with AEP Span representative.

Oil Canning : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.