

HR345 PANEL

The HR345 Panel is an exposed fastened panel system designed for industrial applications, but its' clean lines also makes it an excellent choice in more aesthetically demanding architectural applications. The HR345 Panel can be used as roof and wall panels as well as in carports and other applications utilizing the excellent spanning and cantilever capabilities of the panel. In wall applications the HR345 Panel can be installed vertically or horizontally. Used as roofing, the HR345 Panel is designed to be applied over open framing or solid substrate with an appropriate moisture barrier.

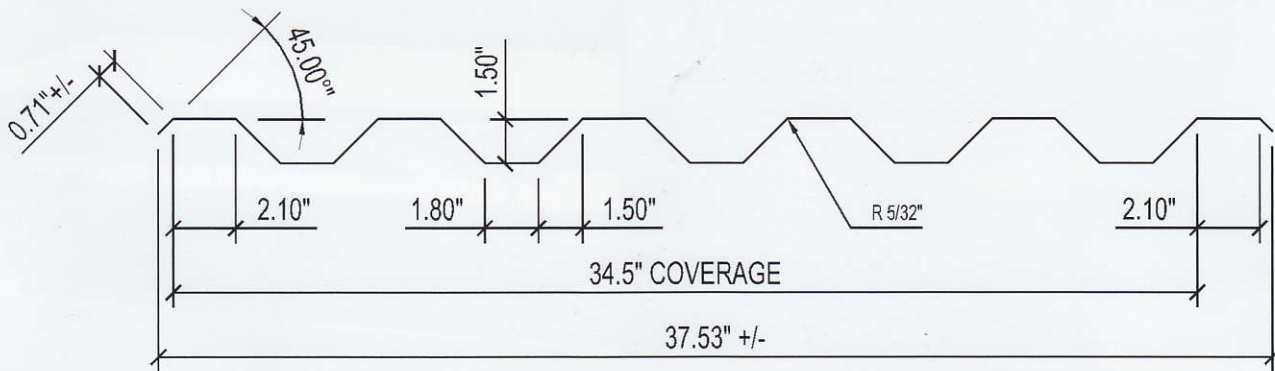


BUILD BETTER

BORGA
STEEL BUILDINGS & COMPONENTS



HR345 PANEL - Product Data Sheet



| Gage | Mat'l Yield ksi | Design t, inches | Panel Weight lb/sq ft | Top in Compression | | | Bottom in Compression | | |
|------|-----------------|------------------|-----------------------|--------------------------------|--------------------------------|-----------------------|--------------------------------|--------------------------------|-----------------------|
| | | | | I _x in ⁴ | S _x in ³ | M _a , k-in | I _x in ⁴ | S _x in ³ | M _a , k-in |
| 29 | 80 | 0.0142 | 0.733 | 0.0557 | 0.0520 | 2.074 | 0.0550 | 0.0451 | 1.800 |
| 26 | 80 | 0.0187 | 0.965 | 0.0797 | 0.0851 | 3.482 | 0.0838 | 0.0730 | 2.988 |
| 26 | 50 | 0.0187 | 0.965 | 0.0828 | 0.0937 | 2.805 | 0.0877 | 0.0832 | 2.490 |
| 24 | 50 | 0.0236 | 1.218 | 0.1103 | 0.1280 | 3.833 | 0.1169 | 0.1211 | 3.624 |

Effective I_x and S_x shown. Panel thickness and weight exclude coatings

PANEL OPTIONS

- Panel width: 34.1/2" coverage
- Panel configuration: 1.1/2" rib height, 6.9" rib spacing
- Panel lengths: Up to 45 ft. Please inquire for longer lengths
- Roof Slope: Minimum 1:12
- Gauge: 24, 26 or 29. Please inquire for other gauges
- Substrate: Galvalume® or Galvanized steel
- Paint System: SMP or Kynar® 500/Hylar 5000®

TESTING

CLASS A – FIRE RATING

Metal is a noncombustible material and therefore holds the highest fire rating available - Class A. Therefore, many insurance companies offer discounts on fire insurance for homes with metal roofs. Please note that the fire classification of the material is not necessarily the fire classification of the entire roof; the roof will be fire rated based on all materials present.

Oil canning is a natural occurrence in metal panels and is not cause for panel rejection. Prior to ordering and installing roofing panels, always check local building code requirements for additional restrictions that may apply to your project. If necessary, consult a design professional for assistance.

Borga, Inc. 1/2008 Subject to change without notice