



Section Properties									
Ga.	Mat'l Yield, ksi	Design t, inches	Panel Weight lb/sq ft	Top in Compression			Bottom in Compression		
				Ix in ⁴	Sx in ³	Ma, k-in	Ix in ⁴	Sx in ³	Ma, k-in
29	80	0.0142	0.702	0.0413	0.0345	1.316	0.0300	0.0396	1.512
26	80	0.0187	0.925	0.0597	0.0518	2.037	0.0410	0.0528	2.073
26	50	0.0187	0.925	0.0620	0.0556	1.663	0.0430	0.0538	1.610
24	50	0.0236	1.167	0.0800	0.0771	2.307	0.0567	0.0686	2.053

Ix shown is effective Ix, Sx shown is effective Sx. Coverage = 36.0". Panel thickness and weight exclude coatings

PANEL OPTIONS

- Panel width: 36" coverage
- Panel configuration: 1.3/8" rib height, 12" rib spacing
- Panel lengths: Up to 45 ft. Please inquire for longer lengths
- Roof Slope: Minimum 1/2:12
- 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.

ASTM E 1592 – STRUCTURAL PERFORMANCE OF SHEET METAL ROOF AND SIDING

ASTM E 1646 – WATER PENETRATION OF EXTERIOR METAL ROOF PANEL

ASTM E 1680 – AIR LEAKAGE THROUGH EXTERIOR METAL ROOF PANEL

The information given on this data sheet has been carefully checked, however, Borga does not assume any responsibility for errors or omissions, or any direct or indirect damage caused by incorrect application of this information. Prior to ordering and installing roofing panels, always check local building code requirements for additional requirements that may apply to your project. If necessary, consult a design professional for assistance. Oil canning is a natural occurrence in metal panels and is not cause for panel rejection.
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