



STEEL

Our panels are made of steel that has been coated with a zinc, aluminum and magnesium alloy (among other elements). The coating is applied to both sides of the panel through a process called hot-dip galvanization. The alloy is composed of 55% aluminum, 43.5% zinc and 1.5% silicon. The combined properties of these elements provide superior resistance to atmospheric corrosion, such as the effects of high temperatures. This material has excellent formability properties and provides high cathodic protection to perforated or cut areas. The protective coating designation is at least Z50 or its average equivalent on both sides, and it meets

ASTM A653/A653M requirements.

Another important aspect of our steel roofs is that they are enamel-coated, offering additional advantages such as:

- Added protection against atmospheric conditions
- Increased panel lifespan
- Improved aesthetic and architectural appeal
- Better sunlight reflection for cooler roofs
- Greater salt spray corrosion resistance
- Increased high-temperature corrosion resistance

COATING PROPERTIES

RAL Color	9001-9003, 9016 A755 20 µm
ASTM Top	MP/SMP + 5 µm epoxy primer 5 µm
Back Gloss	MP + 5 µm epoxy primer 15-40 2T-
T-Bend	3T F +30 rubs +100 lb/in 15 cycles
Hardness	
Curing	
Impact	
Kesternich	

STEEL PROPERTIES

Grade	30-50
Yield Strength (Fy)	30-50 ksi (2100-3500 kg/cm ²)
ASTM 24	A653/A653M 0.52 mm-
Gauge 26	0.55 mm 0.42 mm-0.46
Gauge 27	mm 0.36 mm-0.40 mm
Gauge	AZ50M-AZ60M, G60-G90
Galvanization	

