ARCHITECTURAL SPECIFICATIONS

Galvalock ™ soffit/fascia panels are made of AZ50 CSB Chem Treat Dry Galvalume

Thickness: 24ga. Galvalume 0.024 nominal

Panel material as specified shall be 24 gauge Galvalume as manufactured by Bethlehem Steel Corporation, or equal, conforming to the requirements of ASTM A792 Grade 80 or Grade 50. Minimum yield stress shall be 80,000 ksi for Grade 80 and 50,000 ksi for Grade 50.

Coating Characteristics
1. Kynar 500 70% PVDF Coatings, or Sherwin Williams equivalent. This finish shall be a dispersion coating based on Kynar 500® FSF® resin. This finish shall be applied by an experienced applicator. This finish, based on Kynar 500® FSF® resin, shall meet the performance criteria of AAMA 2605 specification.

Thermal Reflectivity
Galvalume has good solar heat reflectivity

Atmospheric Corrosion Resistance:
Based on 30-year atmospheric test results, it is estimated that Galvalume sheet will outlast G90 galvanized by two to four times in marine, industrial and rural atmospheres. When compared to aluminum coated sheet steel, Galvalume sheet has superior corrosion resistance at sheared edges.

Salt Spray Corrosion Resistance:
With cut edges protected, the coating on Galvalume sheet steel lasts five to ten times longer than the coating on G90 galvanized. In salt spray tests conducted with bare cut edges exposed, the corrosion resistance is typically three to four times that of G90 galvanized.

Mechanical Properties:
Yield Strength: 40-60 ksi (276-414 MPa)
Tensile Strength: 55-70 ksi (379-483 MPa)
Total Elongation: 18-36%
Hardness: 50-65 HRB