

STEEL

The coating weight of National Sheet Metal System's hot-dipped galvanized steel products conform to ASTM A-525. Our electro-galvanized materials conform to ASTM A-591.

Steel W/Kynar 500 Finish - An extremely durable 70% resin base paint coating, over preprimed galvanized steel, chemically known as polyvinylidene fluoride (PVDF). Kynar finish steel is a "baked-on" fluopolymer coating which is factory applied (either to coil or spray applied), then heat treated to 475 degrees fahrenheit. Kynar coated steel has unsurpassed exterior durability, with warranties available up to 20 years.

Galvanized Steel - Galvanized steel materials offered by NSMS are continuously hot dip coated with a durable protective coating of zinc. Production processes including stamping, double seaming, brake and roll-forming operations do not impair the protective qualities of these products. Thicknesses 16 ga. or lighter are lockforming quality ASTM A-527. Thicknesses heavier than 16 ga. are commercial quality ASTM A-526. NSMS offers both G90 galvanized steel (minimum .90 oz. of zinc per square foot) or light commercial G60 (minimum .60 oz. of zinc per square foot).

Galvanized Bonderized Steel - This material is ideal for applications which require field painting of the NSMS furnished product. Bonderized steel minimizes the need for surface preparation prior to field painting.

Galvannealed Steel - This material is heat treated (after zinc coating) to produce a zinc-iron alloy without the typical spangle appearance. Even though the zinc coating is not phosphate treated, galvannealed steel can be easily field painted without further surface preparation (except for normal cleaning). The coating weight of galvannealed steel is either A60 (heavy) or A40 (light).

Galvalume® - NSMS's Galvalume is a corrosion resistant material, continuously hot-dipped coated with an aluminum zinc alloy. For certain applications, Galvalume offers a substantial increase in corrosion resistance over G90 galvanized steel. This material conforms to ASTM A792 AZ 50 coating.

Electro-Galvanized - These materials are cold rolled steel sheets, zinc coated by electrolytic deposition, and conforming to A-591. Products should be painted if exposed to the outdoor environment. The electro-galvanized coating has a uniform dull gray matte appearance without the spangles normally present on hot dipped galvanized sheets. The surface of this material has been phosphate treated for immediate paintability.