

PRODUCT DESCRIPTION

No. 001-98

PREFINISHED HOT-DIP GALVANIZED G-90 COIL & SHEET STEEL

PRODUCT DESCRIPTION

Coating: "Hot-Dip Galvanized G-90 Coil Steel" describes coil or sheet steel material which has been coated with corrosion-resistant zinc by a continuous hot-dipping process. This material combines corrosion resistance and formability with galvanic protection of cut edges characteristic of zinc coatings.

Basic Use: Hot-Dip Galvanized G-90 Coil Steel, factory painted on the Berridge Continuous Coil Coating Line, is intended for applications where superior corrosion resistance is required, as in roofing, siding, fascia, soffit, equipment screens and other uses.

TECHNICAL DATA

Coating: The composition of the Hot-Dip Galvanized G-90 Coil Steel coating is zinc. The Lock-Forming Quality, Commercial Class 24 gauge steel used in prefinished Berridge coil, flat sheet and manufactured products receives a two-side, triple-spot coating weight of at least 0.90 oz./ft² in a hot-dip coating bath process. The product is described in ASTM Specification A653-94 "Grade 40" and A924-94.

Atmospheric Corrosion Resistance: Hot-Dip Galvanized G90 Coil Steel material which has been prefinished with long-life Kynar 500® or Hylar 5000™ PVDF paint finishes on the Berridge Continuous Coil Coating Line offer greatly extended corrosion protection. Berridge prefinished G90 Galvanized material will provide effective corrosion protection for approximately 150% of the combined service lives of the individual substrate and paint systems.¹

Since the service life of Kynar 500® or Hylar 5000™ paint finishes is 20+ years and the expected service life of G90 galvanized coating in an average environment is 20 years, the expected service life of the combined system would be 60 years.

Salt Spray Corrosion Resistance:

The superior paint film adhesion offered by the smooth, minimum-spangle surface of G-90 galvanized material, combined with 0.90 oz./ft² zinc coating delivers superior salt spray corrosion resistance, particularly at exposed cut edges.

Formability:

G-90 Galvanized Coil and Sheet Material is well-suited for roll-forming and lock-forming. G-90 Galvanized material may be embossed since it has no alloy coating which might be damaged in the embossing process.

Paintability:

G-90 Galvanized Material requires minimal pretreatment and cleaning and its smooth, spangle-free surface offers superior paint adhesion.

Typical Mechanical Properties (Commercial Quality):

| | |
|------------------|-------------------|
| Yield: | 38,000-53,000 psi |
| Tensile | 50,000-65,000 psi |
| Total Elongation | 20-36% |
| Hardness | 50-65 HRB |

INSTALLATION:

No special installation precautions are necessary, other than to assure that fasteners and other component parts have equivalent corrosion resistance. Berridge recommends Tremco Spectrum One or equivalent sealant in order to protect paint film integrity and insure maximum elasticity and watertight protection. Contact with lead or copper, or exposure to water runoff from copper should be avoided.

AVAILABILITY & COST:

Berridge products, fabricated from prefinished G-90 Hot Dip Galvanized material, either formed on site by a Berridge Licensee or fabricated in one of Berridge's manufacturing plants, are

available through Berridge's nationwide network of Licensees. Call 1-800-237-817 for the name and phone number of your nearest Berridge Licensee or Sales Representative.

GUARANTEE:

Berridge Prefinished G-90 Hot Dip Galvanized products carry the paint manufacturer's standard Twenty Year Warranty which must be requested at the time the material order is placed.

MAINTENANCE:

Properly installed Berridge Prefinished G-90 Hot Dip Galvanized material requires no maintenance. Prior to installation, stored coil, flat sheet or fabricated products should be protected from trapped moisture or condensation. After installation, prefinished roof panels should be cleaned of any debris periodically to prevent premature damage to the paint film or cut edge surfaces.

TECHNICAL SERVICES:

Berridge Manufacturing Company has an experienced Technical and Architectural Staff available for technical consultation. For technical or architectural consulting assistance, phone 1-800-231-8127.

¹ Source: American Galvanizers Association (AGA)

HOT-DIP GALVANIZED G-90 COIL STEEL
Berridge Manufacturing Company



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Moisture & Thermal Protection:
Metal Roofing & Siding Products



BERRIDGE MANUFACTURING COMPANY

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