

# PAINTGRIP

## BONDERIZED STEEL



**Paint Grip** is pre-treated at the mill for subsequent painting in the as-received condition. The sheet goes through a phosphatizing process which produces a deposit of hydrated zinc on the galvanized surface, obtaining a dull gray appearance. This coating provides a good adherent base for painting, and also extends the life of the painted surface. **Paint Grip** is intended to be painted and the unfinished surface may weather unevenly\*

This process consist in a layer of zinc on each side of the steel sheet that is tightly adhering to the stee thru the formation of an iron-zinc alloy bonding layer that is formed by a diffusion process while the heated steel strip is in contact with the molten zinc.

### PAINT GRIP STEEL PROCESS

In a continuous, controlled process, coils of galvanized steel are first thoroughly cleaned and rinsed. A conditioning agent is then applied to promote the formation of a fine crystalline zinc phosphate coating. This process then converts the bare galvanized surface to an inert, crystalline zinc phosphate which is subsequently rinsed and sealed with a dried-in-place chromate conversion coating. This entire process creates what is called a Bonderized surface.

A long time favorite of the rainwater goods industry, zinc phosphate provides the perfect surface for field painting of flashing, gutters, downspouts, and other roofing materials, as well as signs and even enamel coated interior fixtures.



### SPECIFICATIONS

*QM Paint Grip Steels are produced in conformance to the following specifications:*

|           |                                                    |
|-----------|----------------------------------------------------|
| ASTM A653 | Base metal chemistry, grades, and coatings.        |
| ASTM A755 | Hot dip coil-coated for exposed building products. |
| ASTM A924 | General requirements and tolerances.               |
| ASTM A929 | Corrugated steel pipe.                             |



### BENEFITS OF PAINT GRIP STEEL

- Ready for immediate painting.
- Dull gray appearance.
- Improves life expectancy of the paint applied to it.
- Many roofers apply **QM Paint Grip Steel** as a roofing panel with no paint and allow it to weather overtime, which gives it an attractive weathered look.

