

POLYMER COATED STEEL STRUCTURAL PLATE AND FASTENERS PER ASTM A1113

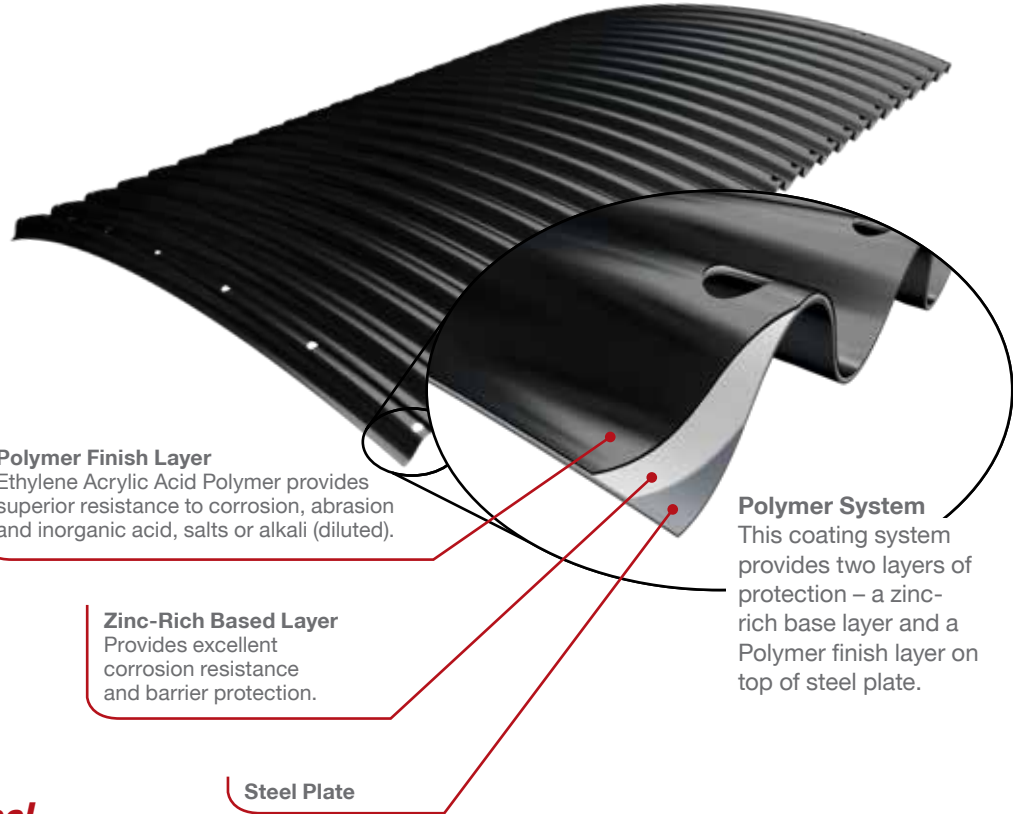
THE NEXT GENERATION OF STRUCTURAL PLATE PERFORMANCE

STRUCTURAL PLATE

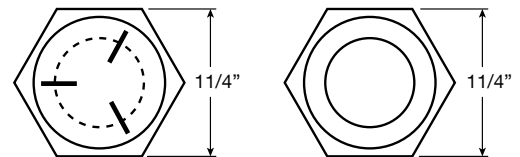
Polymer coated corrugated steel structural plate provides a more durable alternative to galvanized steel structural plate. Building on the 40+ successful years of polymer coated pipe per ASTM A762, the premium plate coating extends the service life of structures placed in the more demanding environments utilizing a two-coat system of a zinc-rich base layer with an ethylene acrylic acid powder topcoat.

FASTENERS

Hot-dipped galvanized fasteners per ASTM A449 are subject to an additional coating process to enhance corrosion protection and facilitate make-up torque. The additional fastener coating is a dip-spun, resin-bonded, thermally cured, single film, dry lubricant with a dry-film thickness between 0.6 and 1.0 mil.



Specify polymer coated steel structural plate per ASTM A1113 for the more corrosive and abrasive environments, or for those projects requiring extended service lives.



ASTM A1113

Standard Specification for Corrugated Steel Structural Plate, Polymer-Coated, For Field Bolted Pipe, Pipe-Arches, And Arches

| Environmental Parameter | Suggested Service Life of Polymer Coated Steel | | |
|-------------------------|--|-----------------|------------------|
| | 50 Year Minimum | 75 Year Minimum | 100 Year Minimum |
| pH Preferred Range | 3-12 | 4-9 | 5-9 |
| Resistivity | > 100 ohm cm | > 750 ohm cm | > 1,500 ohm cm |

