



2500 SERIES

SPECIFICATIONS

MANUFACTURER

CONSTRUCTION METAL PRODUCTS
2200 West Front St
Statesville, NC 28677
Tel: (704) 871-8704
Fax: (704) 871-1381

SECTION 07410- MANUFACTURED ROOF AND WALL PANELS SECTION 07610 – SHEET METAL ROOFING

Part 1 – General

1.01 Work Included

Providing all labor, materials, tools, equipment and services to furnish and install metal roofing, wall panels/siding, including soffit, flashing, trim and such other accessories to make the system complete and weathertight, as indicated on the drawings and specified herein.

1.02 RELATED WORK (to be coordinated with other trades by the successful contractor under this section). FOR APPLICATIONS OVER PLYWOOD DECKING (edit as required)

- A. Section 06100: Rough Carpentry
- B. Section 06200: Finish Carpentry
- C. Section 07620: Sheet Metal Flashing and Trim
- D. Section 07700: Roof Specialties and Accessories
- E. Section 07800: Skylights
- F. Section 07900: Joint Sealers

OR

1.03 RELATED WORK (to be coordinated with other trades by the successful contractor under this section). FOR APPLICATIONS OVER METAL DECKING DECKING WITH RIGID INSULATION AND STANDING SEAM ROOF (edit as required).

- A. Section 05100: Structural Steel
- B. Section 05200: Steel Joints
- C. Section 05300: Metal Decking
- D. Section 05580: Sheet Metal Fabrication
- E. Section 07200: Insulation
- F. Section 07500: Membrane Roofing
- G. Section 07620: Sheet Metal Flashing and Trim
- H. Section 07700: Roof Specialties and Accessories
- I. Section 07800: Skylights
- J. Section 07900: Joint Sealers

This specification guide is designed to assist in the proper insertion of CMP Roof Systems into any architectural building specifications. This guide is formatted to match the CSI Spec Data System, however is not part of that program.

SERIES 2500

1.04 WARRANTY

- A. Manufacturer shall warrant the metal roof against rupture or perforation or from structurally failing due to normal atmospheric conditions for a period of twenty (20) years. In addition, Manufacturer shall provide a 20 year finish warranty against peeling and blistering, chalk, and fade (color change).
- B. Installer shall provide a written warranty for two (2) years from the date of final completion and acceptance. Guaranteeing materials and workmanship for watertightness, weathertightness, and against all leaks. During the initial two (2) year period. The installer shall assure weathertightness and watertightness of the roof without any cost to the building owner.

PART II – PRODUCTS

2.01 ACCEPTABLE MANUFACTURER - ROOF

- A. CONSTRUCTION METAL PRODUCTS – SERIES 2500
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NOTE TO SPECIFIER: CMP Series 2500 Panel System serves the structural needs of roofing/fascia and mansard systems.

The Series 2500 may be specified for application over solid deck or over purlins or over metal deck with rigid insulation. The Series 2500 Panel System can also be secured with bearing plates and clips through the insulation to the metal deck. Minimum Pitch ½”/12”. Specify as required.

2.02 Kynar 500 finish – (20-year Warranty)

- A. Standard 20-year color coatings comprises of a .8 to .9 mil. full strength 70% Kynar 500 fluorocarbon (Polyvinylidene Fluoride PVF2) coating over a urethane primer of .2 to .3 mil. on the finish side, with primer and a wash coat on the reverse, on steel with just a wash coat on aluminum. Face film thickness 1.0 mil. + or - .2 mil.

2.03.1 FILM THICKNESS

Topside Finish: Primer shall be .2-.3 mil. Kynar 500 top coat shall be .8 - .9 mil. Reverse side finish shall be .2 - .3 mil primer with a wash coat. Total dry film thickness for the coating system shall be 1.00 mil nominal. All measurements per NCCA Technical Bulletin II-4 or ASTM D1005-84.

2.03.2 SPECULAR GLOSS

As determined per ASTM D523-85 at a glossmeter angle of 60 degrees. 35% + or – 5 specular reflectance.

2.03.3 HUMIDITY RESISTANCE

No blistering, cracking, peeling, loss of gloss or softening of the finish after 3000 hours aluminum 1000 hours coated steel, of exposure at 100% humidity at 95 degrees F, per Federal Test Method Standard 141, Method 6201 or ASTM D2247-87.

2.03.4 SALT SPRAY RESISTANCE

Samples diagonally scored and subjected to 5% - at 95 degrees f. neutral salt spray per ASTM B117-85, then taped with Scotch #610 cellophane tape: 3000 hours aluminum/1000 hours coated steel, no blistering and no loss of adhesion greater than 1/8 from score line. (Samples taped one hour after removal from test cabinet.)

2.03.5 CHEMICAL RESISTANCE

No effect after 24-hour exposure of a 10% solution of hydrochloric acid, and 18-hour exposure to 20% sulfuric acid, per ASTM D1308-85, including exposure to 10% muriatic acid and nitric acid fumes.

2.03.6 CHALKING RESISTANCE

No chalking greater than #8 rating, per ASTM D 659-86 test procedure after a 3000-hour weatherometer test.

2.03.7 COLOR CHANGE

Finish coat color change shall not exceed 5 NBS units per ASTM D-822-86, ASTM G-23-88 and ASTM D 2244-85 (South Florida 10-years) test procedure after 3000-hour weatherometer test.

2.03.8 ABRASION RESISTANCE

Shall pass 60 liters/mil., minimum of falling sand per ASTM D968-81. Method A.