

October 2023

REF: IBC Coating Requirements for Cold-Formed Steel Structural Framing

Steel is coated with galvanization (a zinc compound per ASTM A653), in order to protect the base steel from red rust. This coating is in accordance with the industry standard coating requirements of ASTM C955, AISI S200 and AISI S240.

The 2018 and 2021 International Building Code (IBC) reference AISI S240 (North American Standard for Cold-Formed Steel Structural Framing) as the standard for compliance. For IBC 2015, the standard was AISI S200 and ASTM C955 for IBC 2012.

The correct coating designation for structural material per ASTM C 955, AISI S200 and AISI S240 is “CP 60”, which includes four coating types, one of which is G60, or “CP 90”, which includes three coating types, one of which is G90.

Corrosion Protection is specified in AISI S240 – Section A4. See Table A4-1 below.

A4 Corrosion Protection

A4.1 Protective Coatings

A4.1.1 In the United States and Mexico, *structural members utilized in cold-formed steel light-frame construction* shall have a protective coating as specified in Table A4-1, with CP 60 minimum.

**Table A4-1
Coating Designations**

| Coating Classification | Coating Designator | Minimum Coating Requirements | | | |
|------------------------|--------------------|--|--|--|--|
| | | Zinc Coated ^A oz/ft ² (g/m ²) | Zinc Iron ^B oz/ft ² (g/m ²) | 55% Al-Zinc ^C oz/ft ² (g/m ²) | Zinc-5% ^D oz/ft ² (g/m ²) |
| Metallic Coated | CP 60 | G60 [Z180] | A60 [ZF180] | AZ50 [AZM150] | GF30 [ZGF90] |
| | CP 90 | G90 [Z275] | Not Applicable | AZ50 [AZM150] | GF45 [ZGF135] |

Per our Code Compliance Research Report (CCRR-0206) Section 3.1 and the SFIA Stud Code Compliance Certification Program our steel has Corrosion Protection meeting the minimum requirements set forth in AISI Standard S240.