

2021 Code Compliance Inspection Checklist - Structural Products
(IBC 2021 references AISI S240)



Requirement	Code Reference	Specification Requirements	How to Inspect	Miscellaneous	Compliant	
Protective Coating	IBC 2021 - Table 2506.2 which then directs the user to AISI S240	A4.1 Structural members utilized in cold-formed steel light-frame construction shall have a protective coating as specified in Table A41. (Table A4-1- CP 60 lists 4 options: G60; A60; AZ50; or GF30.)	Request manufacturer's certification	CP 60 and CP 90 are coating designators.	yes	no
Base Steel Thickness	IBC 2021 - Table 2506.2 which then directs the user to AISI S240	A5.1 In no case shall the minimum base steel thickness be less than 95% of the design thickness.	Measure with micrometer		yes	no
Marking & Identification (Individual Members)	IBC 2018 - Table 2506.2 which then directs the user to AISI S240	A5.5.2 - Individual members shall have a legible label, stencil, or embossment, at a maximum distance of 96 in. on center, on the member, with the following minimum information:	96" on center repeated pattern		yes	no
		(1) The rollformer's identification (that is, name, logo or initials).	Manufacturer's name or logo		yes	no
		(2) The minimum steel thickness, in mils or inches, exclusive of protective coating.	Minimum base steel thickness exclusive of coating		yes	no
		(3) The minimum yield strength in ksi.	Minimum yield strength		yes	no
		(4) The appropriate protective coating designator in accordance with Section A4. (See above A4.1)	Minimum coating weight	Product should be marked CP60 minimum. (Allowable coatings: G60; A60; AZ50 or GF30)	yes	no
Yield Strength	IBC 2021 - Section 2211.1 which directs the user to the AISI S240 which in turn points to ASTM A1003	A3 - Mechanical properties defined in ASTM A1003/A1003M are minimum requirements. ASTM A1003 – Table 3 – ST33H 33 minimum (33 ksi min.) 10% elongation.	* Check manufacturer's literature * Check marking on the members * Request manufacturer's certification	* Only means to verify is through a destructive test ASTM A370	yes	no