

2015 Code Compliance Inspection Checklist - Drywall Products
(IBC 2015 references AISI S220 and ASTM C645-13, Section 10)



Requirement	Code Reference	Specification Requirements	How to Inspect	Misc.	Compliant
Protective Coating	IBC 2015 - Table 2506.2 which then directs the user to AISI S220	A5.1 Nonstructural members utilized in cold-formed steel framed construction shall have a protective coating conforming to ASTM A653/A653M G40 minimum or shall have a protective coating with an equivalent corrosion resistance.	<ul style="list-style-type: none"> * Request manufacturer's certification * Copper sulfate test to verify use of hot dipped galvanized coating * Elcometer test to measure proper thickness of coating 	Copper sulfate reacts black with hot dipped galvanized. Reacts greenish brown with galvanized.	Yes No
Base Steel Thickness	IBC 2015 - Table 2506.2 which then directs the user to AISI S220	A6.1 In no case shall the minimum base steel thickness be less than 95% of the design thickness	<ul style="list-style-type: none"> * Measure with micrometer * Check manufacturer's literature * Check marking on the members * Request manufacturer's certification * Verify proper minimum thickness based on independent test report 		Yes No Yes No
Marking & Identification (Individual Members)	IBC 2015 - Table 2506.2 which then directs the user to AISI S220	A6.5.2 ...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: (1) The rollformer's identification (that is, name, logo or initials). (2) The minimum steel thickness, in mills or inches, exclusive of protective coatings. (3) The minimum yield strength in ksi if other than 33 ksi. (4) The protective coating type and weight, if other than as specified in Section A5.1. (5) The designation "NS".	96" on center repeated pattern		Yes No
			Manufacturer's name or logo		Yes No
			Minimum base steel thickness, exclusive of coating	Minimum base thickness should be 95% of design thickness.	Yes No
			Minimum yield strength (assumed 33 ksi if not marked)		Yes No
			Minimum coating weight (assumed G40 or equivalent if not marked)		Yes No
Yield Strength	IBC 2015 - Section 2211.1 which directs the user to the AISI S220	A4 Nonstructural members utilized in cold-formed steel framed construction shall be cold-formed to shape from sheet steel complying with the requirements of ASTM A1003/A1003M. Mechanical properties defined in ASTM A1003/A1003M are minimum requirements. ASTM A1003 – Table 3 – NS 33 minimum (33ksi min.). There are no elongation (ductility) requirements.	<ul style="list-style-type: none"> * 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

*Note: Section 10 of ASTM C645 is for screw penetration test only.