



Heckmann Building Products Inc.

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MATERIALS AND FINISHES

Specifications

With our extensive custom fabrication capability, Heckmann can provide the types of metal and corrosion resistant treatments to meet your specifications including the following:

STAINLESS STEEL: Stainless Steel provides the greatest level of corrosion resistance in most building environments, and is especially recommended for use with light colored stone subject to staining.

Sheet: ASTM A 167 and ASTM A 240, Type 304, ASTM A 167-96

Plate, Bars, and Shapes: ASTM A 666, ASTM A 167, ASTM A 276 or ASTM A 479, Type 304.

Wire: ASTM A 580, ASTM A 479, Type 304, Annealed and Ground.

HOTDIP GALVANIZED AFTER FABRICATION: ASTM A 153. These heavy zinc coatings are applied after fabrication to assure that welds and exposed edges are plated. They are frequently specified for exposed conditions and critical exterior wall applications. Specify type of uncoated steel to be used.

Class B-1: 2.00 avg. oz/sq.ft. zinc

Class B-2: 1.50 avg. oz/sq.ft. zinc (ASCE/ACI 530.1 requires this coating for items not completely embedded in mortar. ASTM A 153/A15.M-95.

Class B-3: 1.30 avg. oz/sq.ft. zinc

EPOXY COATING: Steel Wire ASTM A 899-91.

Wire Ties and Anchors ASTM A 99 Class C-20 mils (508 um)

Sheet Metal Ties and Anchors 20 mils 508 um per surface or manufacturer's specifications.

ELECTRO GALVANIZED AFTER FABRICATION: Suggested for thicker steel (11 gage or more) where mill galvanizing does not provide adequate protection to cut edges, but where the greater protection of hot dip galvanizing is not required. ASTM B 633 - Standard specification for Electrodeposited coatings of Zinc on Iron and Steel; (Reapproved 1994).

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MILL GALVANIZED: Mill Galvanized before fabrication, these coatings provide a balance between economy and corrosion resistance. ASCE/ACI 530.1 requires this coating for items completely embedded in mortar. ASTM A653/A 653-M96. Sheets: ASTM A 653 (formerly ASTM A 525), ASTM A 653 CQ (formerly ASTM A 526) or ASTM A 653 LFQ (formerly ASTM A 527). Wire: ASTM A 641. ASTM A641/A 641M-91.

UNCOATED STEEL: Plain steel can be considered when welding would make plated anchors and ties impractical, or when parts will be galvanized after fabrication. Uncoated steel is not recommended for exterior walls or locations subject to moisture.

Sheets: Hot Rolled, Pickled and Oiled sheets are ASTM A 569. Cold Rolled sheets are ASTM A 366, Class 1. ASTM A366/A 366M-95.

Plates, Bars, and Shapes: ASTM A 36. ASTM A36/A 36-M96.

Wire: ASTM A 82. ASTM A82-95a.

Wire Rods and Coarse Round Wire Carbon Steel: ASTM A 510/A 510M-96.

NON-FERROUS METALS: Heckmann can fabricate copper, brass, bronze, zinc alloy, and other metals for special project requirements.

NOTE: Not all metals and finishes are available or standard for all parts. See part descriptions or call Heckmann for specific information.