



Plate

Duracorr® 300: For abrasion and corrosion resistant applications

Duracorr 300 is a low carbon, 12% chromium stainless steel which is produced to a nominal hardness of 300 HB, for applications where both abrasion and corrosion resistance are required. Improved dent resistance is also anticipated for Duracorr 300 versus 50 ksi min. yield strength steels or 304 stainless steel. It is produced as-rolled or as-normalized from the same Duracorr chemistry used for structural applications.

Chemical Composition

(maximums unless a range is shown)

Element	Composition %
Carbon (C)	0.025
Manganese (Mn)	1.5
Phosphorus (P)	0.040
Sulfur (S)	0.015
Silicon (Si)	0.70
Chromium (Cr)	11.0/12.5
Nickel (Ni)	1.00
Nitrogen (N)	0.030
Molybdenum (Mo)	0.20/0.35



Truck for salt spreading.

Sizes

Available from 3/16 – 2" thick, widths to 130" and lengths to 540". Refer other sizes to ArcelorMittal Steel USA Plate offices.

Properties

Hardness 260 – 360 HB; when specified. Charpy-v-notch guarantees of 15 ft-lb. average at -40°F available.

Potential Applications

Truck body liners, particularly salt trucks; quarry chutes, coal processing.

Cold Forming

For thicknesses to 3/4", a 2t bend radius minimum is recommended for bending perpendicular to the rolling direction. A 3t radius applies in the other direction.

Welding

Welding and other fabrication guidelines are available on the main Duracorr brochure or the additional Duracorr welding and fabrication guidelines available at www.arcelormittal.com

Further Information

For more information contact Fred Fletcher at +1 610 383 3051 or email red.fletcher@arcelormittal.com

All information in this brochure is for the purpose of information only. ArcelorMittal USA reserves the right to change its product range at any time without prior notice.

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