



# Duracorr®

## Overview

Duracorr® is a low-cost, 12% chromium, dual-phase stainless steel product. When compared to weathering, painted or galvanized steels, it has life cycle cost advantages that permit its effective use in a wide variety of applications. Duracorr® is substantially more corrosion-resistant than weathering, painted or galvanized steels. Duracorr® Grade 50 is formable, weldable and exhibits good toughness. Also certified to SA / A 1010 (UNS 41003).

## Chemical Requirements

\*Elements represented in percentage

Element	Chemical Composition
C	0.030
Mn	1.50
Si	1.00
P	0.040
S	0.030
Cr	0.20
Ni	0.40
Mo	0.08

## Mechanical Test Requirements

Grade	Yield Strength, min, ksi [MPa]	Tensile Strength, min, ksi [MPa]	Elongation in 2 in. [50 mm], min, %	Brinell Hardness, max	Cold Bend
40	40 [275]	66 [455]	16	223	not required
50	50 [350]	70 [465]	18	223	not required