

Duracorr™

Low Carbon Stainless Steel Abrasion & Corrosion-Resistant

Duracorr 50®

A low carbon, 12% chromium dual-phase stainless steel. When compared to weathering, painted, or galvanized steel, it has a life-cycle cost advantage that enables its use in a wide variety of applications.

Duracorr 300®

Produced to a normal hardness of 300 BHN for applications where both abrasion and corrosion resistance is required.

Applications

Duracorr® is designed to excel in mixed mode (abrasion/corrosion and abrasion/heat) environments. It is substantially more corrosion resistant than painted, weathering or galvanizing steels, and substantially more wear resistant than 300 series stainless steels. It is also an excellent material for critical hopper/chute applications.

Benefits

Minimizes bridging and sticking in hopper/chute applications due to its extremely low coefficient of friction. Addresses both wear and corrosion and oxidation in a cost effective way. It is easily formable and weld-able with standard equipment.

Technical

12% chromium dual-phase stainless steel. Duracorr 50® is a structural steel that falls under the ASTM A 1010 Standard. Duracorr 300® is an abrasion-resistant steel that is 300-340 BHN. Charpy impact properties remain in the ductile range at -50°F. Maintains more than half its yield strength at 1000°F.



Birmingham, AL
University Park, IL
Elko, NV

[800] 633-6054
[888] 932-3427
[800] 833-8385

[205] 956-2567
[708] 235-8719
[775] 738-1242

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