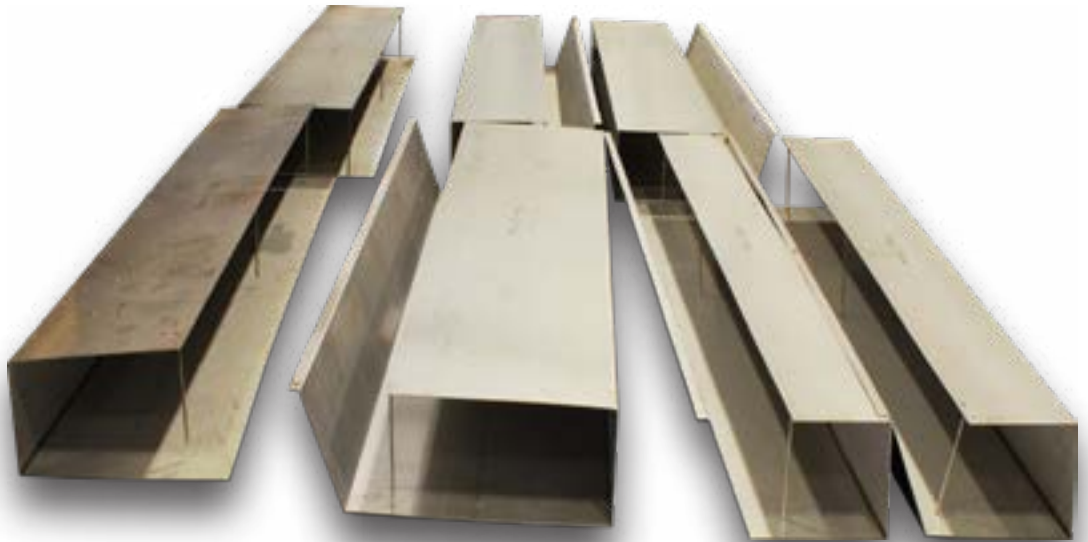


Guardian™

12% Chromium Ferritic Stainless Steel



Features & Benefits

Wear-Con **Guardian**™ 12% Chromium Utility Grade Ferritic Stainless Steel Wear Plate's yield strength is approximately 85% higher than that of austenitic stainless steels such as grades 304L and 316L. **Guardian**™ has a large yield strength advantage over mild steel and A36 grade steels as well. The main advantage of **Guardian**™ over other ferritic stainless steels is that it is very tough, even when welded, in thicknesses of up to 30mm and retains its toughness at temperatures below the freezing point. **Guardian**™ has also found widespread use in wet sliding abrasion conditions and in aqueous environments involving exposure and/or immersion.

Installation

Guardian™ can be formed, rolled, and cut to your specific needs. **Guardian**™ has good weldability and is suited to most standard welding methods. It can be welded to other ferrous metals, for example mild and stainless steels, quite satisfactorily. The recommended grade of electrode is the AWS 309L type. When welding **Guardian**™ to itself, E308L or E316L can also be used. The heat input should be controlled to between 0.5kJ/mm and 1.5kJ/mm per pass.

Technical Specifications

Guardian™ is significantly more corrosion resistant than mild or low alloy corrosion resistant steels. **Guardian**™ should only be used in mildly corrosive conditions. Pitting corrosion is possible in applications involving contact with chloride solutions, particularly in the presence of oxidizing media.

Sizes

Sheets are 1/4" thick x 60" wide x 120" long.

(See reverse for **Guardian**™ applications.)

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Guardian™

12% Chromium Ferritic
Stainless Steel



Guardian™ Chromium Stainless Gutters



(See reverse for **Guardian™** information.)



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GASTON

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