



## Overview

Definitely the finest, strongest and most versatile aluminum alloy electrode available. Totally adaptable to any maintenance requirement, 510 Electrode fills casting defects, builds up missing or broken sections, reinforces weak joints, repairs cracked castings and joins thick or thin sheets or bars.



## Features/Benefits

- Weld deposit stronger than most base metals
- So easy to use, it's mistake-proof
- Preheating not required, except on very heavy sections
- High corrosion resistance
- Stable, quiet arc – no undercutting

## Applications

- Housings and crank cases
- Cylinder heads and blocks
- Transmission housings and intake manifolds
- Doors and windows
- Truck and bus bodies
- Conveyors and ramps
- Pipes and tubes
- Vats, tanks and containers

## Method of Application

DC reverse polarity

## Identification

Electrode: Printed white coating; MIG: Labeled; TIG: Embossed

## Directions for Use

Maintain as short an arc as possible using DC reverse polarity only. On large, heavy sections, preheating to 400°F (205°C) will produce faster, flatter deposit with no spatter. Electrode should be held almost perpendicular and use a rapid stringer or weaving technique with a backwhip at the crater. Bevel pieces 75° on sections 1/8" (3.2mm) or thicker.

## Technical Specifications

Tensile Strength: 35,000 PSI (241 MPa)

### IMPORTANT NOTICE!

To prevent moisture pick-up, keep package tightly sealed.

