A medium range abrasion resistant plate for economy-minded applications, where the cost of initial materials and the reduction of downtime are important factors. Excellent weldability and workability make American-50 well suited to applications requiring quality materials at a significantly reduced cost.

**Features And Advantages**
- Excellent weldability
- Economical alternative to high cost AR plate
- Can be rolled and formed with ease
- Can be drilled and flame-cut with ease
- Abrasion resistant

**Typical Mechanical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength psi</td>
<td>130,000</td>
</tr>
<tr>
<td>Yield point psi</td>
<td>90,000</td>
</tr>
<tr>
<td>Elongation in 2&quot;</td>
<td>16%</td>
</tr>
<tr>
<td>Brinell hardness</td>
<td>220–260</td>
</tr>
</tbody>
</table>

**Applications**
- Asphalt plug mill liners
- Bucket lips
- Chute liners
- Clam shell bucket lips
- Concrete mixer liners
- Concrete pipe liners
- Conveyor buckets
- Conveyor flights
- Cylinders
- Dredge pipes
- Dust collector pipe sections
- Fan housings
- Flume liners
- Funnels
- Hoppers
- Ore trays
- Pan liners
- Plug mill mixer liners
- Screens
- Skip tub liners
- Skirt plates
- Spades
- Spouts
- Troughs
- Vibrating conveyors

**Available Sizes**

**American-50 Plates**
- Thickness: 1/8” through 8”
- Widths: 48” 60” 72” 84” 96” or burned to your specifications
- Lengths: 96” 120” 144” 240” 288” or burned to your specifications

**American-50 Wear Strips**
- Thickness: 1/8” 3/16” 1/4” 3/8” 1/2” 5/8” 3/4” 1” 1-1/4” 1-1/2” 1-3/4” 2” 2-1/2”
- Thicknesses over 2-1/2” burned to your specifications
- Widths: Burned to your specifications
- Lengths: Maximum of 24’

**Fabrication & Machining**
- Forming, rolling, punching, and perforating to your specifications