Postalloy® PS98WC Matrix hardfacing wire, alloyed with chromium and molybdenum is developed primarily to be used in conjunction with the MIG Carbide Embedding process. PS98WC Matrix provides a clean, molten and fluid weld bead that readily accepts tungsten carbide grit.

**Improves the performance of MIG Tungsten Carbide embedded parts**
- Hardness of 55-59Rc protects the tungsten carbide grit which has a hardness in excess of 75Rc.
- The molten weld results in an even distribution of carbide particles throughout the entire weld deposit.

Unlike soft metal steel welding wires which are commonly used with the MIG Carbide Embedding Process, the high hardness tool steel micro-structure of Postalloy® PS98WC Matrix is designed to encapsulate and protect the carbide particles from premature erosion. Use on carbon, low alloy steel and manganese steel.

### Specifications

**Product Type**
Tungsten Carbide Carbide Embedding (Mig Carbide).
Metal cored triple deoxidized Iron based wire, alloyed with Chromium and Molybdenum. Deposits are slag free.

**RCT™ Reactive Core Technology** improves weldability and optimizes wear properties. Learn more.

### Weld Deposit Properties
Hardness (1 Layer): 55-59Rc

### Applications
- Grader blades
- Bulldozer blades
- Excavator parts
- Dredge cutter teeth
- Tunneling equipment
- Auger teeth
- Wood chippers
- Hammers for recycling
- Wood-waste
- Biomass
- Landscaping landfill
- Land clearing
- Composting
- Asphalt shingle recycling
- Waste processing systems
- Tub grinders

### Postalloy® PS98WC Matrix Welding Parameters

**Current:** DC Electrode Positive

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Amps</th>
<th>Volts</th>
<th>Stick Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>.045&quot; (1.1mm)</td>
<td>170-220</td>
<td>26-28</td>
<td>1&quot;-1¼&quot; (25-32mm)</td>
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<tr>
<td>1/16&quot; (1.6mm)</td>
<td>180-250</td>
<td>27-29</td>
<td>1&quot;-1¼&quot; (25-32mm)</td>
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</tbody>
</table>

**Welding Procedure**
Gas Shielding (98% Argon/2% Oxygen) 35cfh

### Packaging Options

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Standard Packaging</th>
<th>Available Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>.045&quot; (1.1mm)</td>
<td>25 lb spool, 50 lb spool</td>
<td>25 lb spool, 50 lb spool</td>
</tr>
<tr>
<td>1/16&quot; (1.6mm)</td>
<td>25 lb spool, 50 lb spool</td>
<td>25 lb spool, 50 lb spool</td>
</tr>
</tbody>
</table>