

Postle Industries • Cleveland, OH USA • Telephone: 216-265-9000 • Fax: 216-265-9030

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

Diameter	Amps	Volts	Stick Out
.045" (1.1mm)	170-220	26-28	1"-1¼"(25-32mm)
1/16" (1.6mm)	180-250	27-29	1"-1¼"(25-32mm)

Welding Procedure

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

Packaging Options

Diameter	Standard Packaging	Available Packaging
.045" (1.1mm)	25 lb spool, 50 lb spool	25 lb spool, 50 lb spool
1/16" (1.6mm)	25 lb spool, 50 lb spool	25 lb spool, 50 lb spool

