

WEAR PLATE & PIPE

Polyhard Wear Plate and Pipe

Weld Mold Company introduces Weld Mold 9900 Cladded Wear Plate. This is a composite plate consisting of an alloyed wear resistant cladding applied to a low carbon steel base plate. This process produces a welded plate which will take more abrasion and is harder and tougher than standard wear plate materials.

Weld Mold 9900 Cladded Wear Plate has a hardness of BHN 600+ and is easy to work with. The low carbon steel base plate allows the plate to be bolted, welded or stud welded for easy installation.

The composite wear plate represents a major innovation in applications with severe abrasion and moderate impact.



APPLICATIONS

Breaker Plates

Hoppers

Buckets

Chipper Hoods

Chutes

Conveyors

Elbows

Fan Blades

Fan Housings

Hammers

Sizing Screens

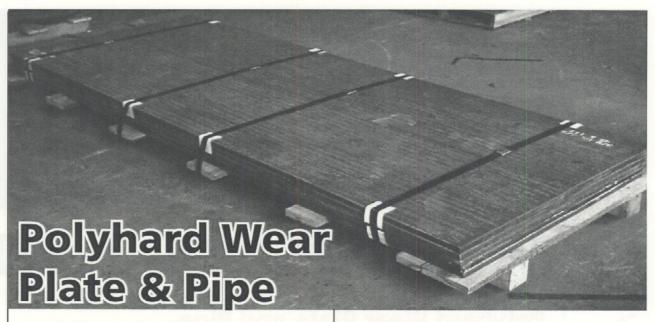
Cyclone Liners

Pipes/ Elbows

Scraper Blades

[see reverse for technical data]

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STANDARD PLATE SIZES

- 4 foot X 8 foot (120 cm X 240 cm)
- 4 foot X 10 foot (120 cm X 300 cm)

Larger sizes, special thicknesses and custom sizes are available to your drawing or requirement.

PLATE THICKNESS

Single Pass Overlay

1/8" on 1/4"	(3.2 mm on 6.5 mm)
1/8" on 5/16"	(3.2 mm on 7.8 mm)
1/8" on 3/8"	(3.2 mm on 9.4 mm)
1/8" on 1/2"	(3.2 mm on 13.0 mm)
1/4" on 1/4"	(6.5 mm on 6.5 mm)
1/4" ON 3/8"	(6.5 mm on 9.4 mm)
1/4" ON 1/2"	(6.5 mm on 13.0 mm)
1/4" ON 5/8"	(6.5 mm on 15.3 mm)
1/4" ON 3/4"	(6.5 mm on 18.8 mm)

Double Pass Overlay

 Double Pa 	ss Overlay
1/4" on 1/4"	(6.5 mm on 6.5 mm)
1/4" on 5/16"	(6.5 mm on 7.8 mm)
1/4" on 3/8"	(6.5 mm on 9.4 mm)
1/4" on 1/2"	(6.5 mm on 13.0 mm)
1/4" on 5/8"	(6.5 mm on 15.3 mm)
1/4" on 3/4"	(6.5 mm on 18.8 mm)
3/8" on 3/8"	(9.4 mm on 9.4 mm)
3/8" on 1/2"	(9.4 mm on 13.0 mm)
3/8 on 5/8"	(9.4 mm on 15.3 mm)
3/8 on 3/4"	(9.4 mm on 18.8 mm)
1/2" on 1/2"	(13.0 mm on 13.0 mm)
1/2" on 3/4"	(13.0 mm on 18.8 mm)
1/2" on 1.0"	(13.0 mm on 25.0 mm)

Alloy Type

High Chrome Carbide formulation on low alloy Austenitic plate

Typical Chemistry of Deposit

C	Mn	Si	Cr	Fe
6.00	1.00	1.50	29.00	BAL

Hardness

AW BHN 600+

Machinability

Grind

Cutting

Use plasma arc or Weld Mold Company "Firewire" (see Catalogue Data Sheet 9099)

Fabrication

Weld using Weld Mold Company 9340 High Strength Joining rod and cap weld with Weld Mold 9461 to match wear plate deposit.

Forming

Plate can be cold formed to a radius of 10 X material thickness

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