



Wear-Con Wear Plate Product Comparison

Product	Mild Steel	Guardian™	INERTIA™	WC400™	WC500™	DiamondClad™	WC700Plus™	HyperClad™	MirAClad™	WC700XT™	SHC600™ Panels	FeatherClad™	WC900™	WC910™
Properties														
Hardness	150-180 BHN	280 BHN	350 BHN	360-440 BHN	477-555 BHN	60-64 RC	60-64 RC	60-64 RC	60-64 RC	56-65 RC	58-60 RC	68 RC	73-75 RC	Impact: 68 RC Non-Impact: 93 RA
Max Service Temp	1000°F (538°C)	892°F (478°C)	1400°F (760°C)	-	-	1000°F (538°C)	1000°F (538°C)	1000°F (538°C)	1000°F (538°C)	1400°F (760°C)	1112°F (600°C)	1000°F (538°C)	1000°F (538°C)	800°F (427°C)
Yield Strenth	36,000 psi	-	100,000 psi	140,000 psi	190,000 psi	-	-	-	-	-	-	-	-	-
Tensile Strength	98,000 psi	99,000psi	140,000 psi	180,000 psi	250,000 psi	-	-	-	-	-	-	-	-	Same as base metal
Shear Strength	11,500 psi	-	-	-	-	-	-	-	-	-	-	-	-	Minimum: 20,000 psi Maximum: 50,000 psi
Elongation (%)	18	18 -20	-	16	12	-	-	-	-	-	-	-	-	-
Chemical Composition (%)														
C	.26	0.03	0.03	0.14	0.28	4.0 - 5.0	4.0 - 5.0	4.0 - 5.0	4.0 - 5.0	5.27	-	4.0 - 5.0	5.27	-
Mn	.75	1.5	7.0 - 9.0	1.42	0.84	0.3	0.3	0.3	0.3	2.1	-	0.3	2.1	-
P	.04	0.04	-	0.007	0.025	0.02	0.02	0.02	0.02	0.022	-	0.02	0.022	-
S	.05	0.015	-	0.003	0.001	-	-	-	-	0.016	-	-	0.016	-
Si	.40	1	1.0	0.45	0.5	1.1	1.1	1.1	1.1	0.5	-	1.1	0.5	-
Mo	-	-	-	0.25	0.25	-	-	-	-	-	-	-	-	-
Cr	-	10.5 - 12.5	15.0 - 17.0	0.04	0.25	28.0 - 32.0	28.0 - 32.0	28.0 - 32.0	28.0 - 32.0	26.1 - 30.0	-	28.0 - 32.0	26.1 - 30.0	-
B	-	-	-	0.0018	0.0013	-	-	-	-	-	-	-	-	-
N	-	0.03 - 1	1.5	-	-	-	-	-	-	-	-	-	-	-
W	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-
Welding Rod Spec.	6011 7018 ER-70-6	AWS 309L E-308L E-316L	309 SSL 310 SS	ER70-6 E-70xx E-100xx E-110xx E-120xx 7018	E-7018 E-100xx E-110xx E-120xx	7018 ER70-6 Post Alloy 2865	7018 ER70-6 Post Alloy 2865	7018 ER70-6 309/310 Stainless Post Alloy 2865	7018 ER70-6 Post Alloy 2865	E-7018	7018 ER70-6 Post Alloy 2865	7018 ER70-6 Post Alloy 2865	Post Alloy 299-SPL	E-70xx E-80xx E-90xx E-100xx E-110xx E-120xx
Dimensions	48" x 96" 60" x 120"	60" x 120" 60" x 240"	48" x 120"	48" x 96" 60" x 120"	78.7"x 236.2"	48" x 96" 60" x 120"	48" x 96" 60" x 120"	47.25" x 118.25"	48" x 96" 60" x 120"	60" x 120"	6" x 6" 6" x 18" 12" x 12" 12" x 14" 12" 18"	32" x 76"	42 1/2" x 92 1/2 "	1/4" 3/8" 1/2" 3/4" 1" 1 1/2"
Thickness	1/8"+	22ga - 1"	1/4"	3-16" - 4"	1/8" - 4"	1/4" 3/8" 1/2" 3/4"	1/4" 3/8" 1/2" 3/4"	3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"	3/8" 1/2" 3/4" 1"	1/2" 3/4" 1"	3/16"	3/8" 1/2" 3/4" 1"	1/16" 1/8" 3/16"



"Your Blue Line of Defense"

888-4WEARCON (888-493-2726)

816-587-1923 • Fx 816-587-2055

info@wearcon.com

www.wearcon.com

2845 E. Heartland Drive, Liberty, MO 64068

Pages Faxed: _____ Date: _____

To: _____ Fx#: _____

From: _____ Ph#: _____

Message: _____

