

CARBO 4501 B

International Standards		Material No.					~1.4501				
		EN ISO 3	L.		E 25 9 4 N L B 2 2						
		AWS A 5	.4			E2595-15					
Approvals											
Typical applicand characte		CARBO 4501 B is an basic coated electrode with an alloyed core, suitable for welding on Duplex- and Super-Duplex-steels of same or similar steels. The duplex weld deposit provides exellent resistant to pitting, chloride stress corrosion cracking and intercrystalline corrosion due to the high CrMo(N) content (Pitting index >40). Furthermore, the weld metal alloy is saltwater-proof and performs high tensile strength, as a result of nitrogen being added to the alloy.									
Operating temperature		-50°C up to 250°C									
Base materia	ls	1.4410 X2 CrNiMoN25-7-4 1.4501 X2 CrNiMoCuWN25 1.4462 X2 CrNiMoN22-5-3 1.4508 GX2 CrNiMoCuWN25 1.4468 GX2 CrNiMoN25-6-3 1.4515 GX2 CrNiMoCuWN26 1.4469 GX2 CrNiMoN26-7-4 1.4517 GX2 CrNiMoCuN26 Zeron 100 SAF 25/07 SAF 25/07						25-8-4 -6-3			
Mechanical properties of all-weld metal (typical values		Tensile strength Rm N/mm²		Yield strenght Rp0,2 N/mm ²		Elongation A5 %			Impact streng ISO-V at - 50°		
		750		600		25			50		
Weld metal analysis % (typical values)		C	Si	Mn	Cı		Ni	Мо	N	Cu	W
		<u><</u> 0,04	0,5	1,2	25,	0	9,0	3,8	0,2	0,7	0,8
Current		= +									
Welding positions		PA, PB, PC, PD, PE, PF									
Rebaking 2 h, 250° C + / - 10° C (if nacessary)											
Dia./Length	Amperage (A)	Pcs./pa	acket	Pcs./car	ton	kg	/1000 pc	s. kg	/ packet	kg /	carton
	50 - 80	217	_	870			18.4		4 0		6.0

Dia./Length	Amperage (A)	Pcs./packet	Pcs./carton	kg /1000 pcs.	kg / packet	kg / carton
2,5 x 300	50 - 80	217	870	18,4	4,0	16,0
3,2 x 350	70 - 110	138	551	36,3	5,0	20,0
4,0 x 350	90 - 140	91	364	55,0	5,0	20,0

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Statements on composition and application are just for the applier.s information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. Carbo-Weld may change the characteristics of its products without notice. We recommend the applier to check our products for their special application autonomously.