



CEWELD 430 Ti

TYPE Stabilized ferritic filler metal for welding critical applications in exhaust manufacturing.(Type 439, UNS S43035, 1.4510)

APPLICATIONS CEWELD 430 Ti is an excellent choice for welding exhaust systems as well as chimneys and ducts exposed to moderately high temperatures. CEWELD 430 Ti can be used to weld aluminized 409 and 439 provided sufficient filler metal is added. Application: Exhaust constructions also in sulphurous environments. Structures and piping in the chemical industry and in maritime applications. Ti Stabilized ferritic stainless steels, austenitic stainless steels in homogeneous and heterogeneous condition

PROPERTIES CEWELD 430 Ti is a 18%Cr alloy stabilized with Ti. This alloy has improved oxidation and corrosion resistance over an ER409 alloy. Single pass welds on light gage base metal or welds with preheat do not usually require PWHT. Good corrosion resistant to seawater.

CLASSIFICATION

AWS	A 5.9: ER439, A 5.9: ~ER 430 Ti
EN ISO	14343-B: SS439, 14343-A: Z 18 L Ti
W.Nr.	~1.4510, 1.4502
F-nr	6
FM	5

SUITABLE FOR 1.4000, 1.4002, 1.4016, 1.4057, 1.4113, 1.4057, 1.4059, 1.4332, 1.4502, 1.4509, 1.4510, 1.4511, 1.4512, 1.4520, 1.4523, 1.4712, 1.4713, 1.4724, 1.4740, 1.4741, 1.4742, 1.4842, X7Cr14, X12Cr13, X17CrNi16-2, X6Cr13, X6CrAl13, X6Cr17, X6 Cr Mo 17, X17CrNi16-2, X2CrTiNb18, X3CrTi17, X3CrNb17, X2CrTi12, X2CrTi17, X10CrSi6, X10CrAlSi7, X10CrAlSi13, X10CrAlSi18, UNS S40300, S40500, S40900, S41000, S42900, S43000, S43035, S43036, S43100, S44200, AISI 403, 405, 409, 410, 429, 430, 430Cb, 430Ti, 439, 431, 442

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	Ti	Cu
0.02	0.7	0.6	18	0.2	0.04	0.5	0.09

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded	320	480	17	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

M13, M12



CEWELD 430 Ti

430 TI 0,8MM

	Packaging	KG/unit	EanCode
	BS-300	15	8720663412096

430 TI 1,0MM

	Packaging	KG/unit	EanCode
	BS-300	15	8720663412119

430 TI 1,2MM

	Packaging	KG/unit	EanCode
	BS-300	15	8720663412126