



SAQ
SIAT

TECHNICAL SPECIFICATION **SUBMERGED ARC WELDING WIRE** **PITTARC S3**

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1. DESCRIPTION

Submerged arc welding wire according to standard ISO 14171-A-S3 and AWS A5.17 EH10K suitable to join fine grain steels for construction, pressure vessels, ship buildings.

2. PRODUCT CHEMICAL COMPOSITION (%)

		C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Al
PITTARC S3	Min	0.07	1.30	0.05	-	-	-	-	-	-	-
	Max	0.15	1.70	0.15	0.025	0.025	0.15	0.15	0.15	0.30	0.03
AWS A5.17 EH10K	Min	0.07	1.30	0.05	-	-	-	-	-	-	-
	Max	0.15	1.70	0.25	0.025	0.025	-	-	-	0.35	-
ISO 14171-A-S3	Min	0.07	1.30	-	-	-	-	-	-	-	-
	Max	0.15	1.75	0.15	0.025	0.025	0.15	0.15	0.15	0.30	0.03

Note: the standard AWS A5.17 require a total of residual elements lower than 0.50%.

3. WIRE DIMENSIONS

Standard diameter (mm) : 1.6 ; 2.0 ; 2.4 ; 3.2 ; 4.0 ; 4.8

Permissible deviations : ISO 544

4. STANDARD PACKAGING :

Wire basket rim LC (ISO 544 B450) of 27kg net weight. Each spool sealed in a polyethylene airtight bag and packed into a cardboard box. 42 spools stacked onto a pallet secured by thermoplastic shrink-wrapping (120 x 80 cm, 1134kg net weight). Available cardboard drums of about 320kg net weight, each one stacked onto a pallet 110x110cm of about 1280kg total weight (4 drums), secured by thermoplastic shrink-wrapping. On request packaging available from 15 kg up to 900 kg.

5. STANDARD IDENTIFICATION

A label is attached to the inside of each spool or drums and to every box or outside of the drums mentioning manufacturer, trade name, nominal diameter, spool type, net weight, heat number, standards and CE mark.

  0036 06 ref. DoP PITTARC S3-2014-04 EN 13479:2004 Use in metallic structures or in composite metal and concrete structures	SIAT S.p.A. 33013 Gemona del Friuli (UD) ITALY			
	PITTARC S3			
	Welding wire for carbon steels and fine-grained steels ISO 14171-A-S3 and AWS A5.17 EH10K			
	APPROVALS: TUV, Nr. 07172 DB-Zul.-Nr.52.044.07/01			
Weight kg		Heat N°	Diameter	Spool type
XX		XXXXXX	X,X mm	X XXX

6. STANDARD CERTIFICATION

Documents according to EN 10204

7. APPROVALS: TÜV, DB.

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