

**PITTARC S2-R**

**SGQ**  
**SIAT S.p.A.**



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**1. DESCRIPTION**

Submerged arc welding wire conforming standards ISO 14171-A- S2 and AWS A5.17 / A5.23 EM12K with low impurities level (P, S, Cu, etc.) and low Nitrogen content suitable of non-alloy steels, structural steels, pressure vessels steels, fine-grained steels, etc. when good mechanical properties and very good toughness are required.

**2. PRODUCT CHEMICAL COMPOSITION (%)**

		C	Mn	Si	P	S	Cr	Ni	Mo	Cu*	Al
<b>PITTARC S2</b>	Min	0.07	1.00	0.10	-	-	-	-	-	-	-
	Max	0.15	1.20	0.15	0.010	0.007	0.12	0.10	0.10	0.12	0.03
<b>ISO 14171-A-S2</b>	Min	0.07	0.80	-	-	-	-	-	-	-	-
	Max	0.15	1.30	0.15	0.020	0.025	0.15	0.15	0.15	0.30	0.03
<b>AWS A5.17 /A5.23 EM 12K</b>	Min	0.05	0.80	0.10	-	-	-	-	-	-	-
	Max	0.15	1.25	0.35	0.030	0.030	-	-	-	0.35	-

\* Copper content including copper coating

Note: the standard AWS requires a total of residual elements lower than 0.50%.  
N max 0,006% - As, Sn, Sb max 0,005%

**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, CE mark and approvals.

 <b>PITTARC</b>	SIAT S.p.A. 33013 Gemona del Friuli (UD) ITALY								
  0036 06 ref. DoP PITTARC S2-R-2020-10 EN 13479:2017  Use in metallic structures or in composite metal and concrete structures	<b>PITTARC S2-R</b>								
	Welding wire for carbon steels and fine-grained steels ISO 14171-A – S2 and AWS A5.17 EM 12K								
	<b>APPROVALS:</b> TÜV Nr.07172								
	<table border="0"> <tr> <td>Weight kg</td> <td>Heat N°</td> <td>Diameter</td> <td>Spool type</td> </tr> <tr> <td>XX</td> <td>XXXXX/XX</td> <td>X,X mm</td> <td>X XXX</td> </tr> </table>	Weight kg	Heat N°	Diameter	Spool type	XX	XXXXX/XX	X,X mm	X XXX
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**6. STANDARD CERTIFICATION**

Documents according to EN 10204.

**7. APPROVALS**

TÜV.