



# Autotherme Grade-A (Mod)

Copper coated solid wire for Submerged Arc Welding



**CODIFICATION:**      AWS: SFA 5.17  
    EL-12

**CHARACTERISTICS:**

Autotherme Grade-A (Mod) Copper Coated solid wire for submerged arc welding. These are suitable for welding of similar composition general purpose steels.

**APPLICATIONS:**

Autotherme Grade-A (Mod) low alloy solid wire is suitable for welding of similar grade steels. The weld metal possesses high tensile strength and meets the radiographic quality requirements. Especially suitable for welding of structural steels, pressure vessels and other fabrication involving medium tensile & low alloy steel. Suitable for welding of ASTM steels: Grade ASTM A285Gr.A, B, C & ASTM A516 Gr.70 etc.

**CHEMICAL COMPOSITION OF SOLID WIRE WT. %:**

Element	C	Mn	Si	S	P	Cu
Range	0.04-0.14	0.25-0.60	0.10 Max	0.030 Max	0.030 Max	0.35 Max

**TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL**

Maxflux	Property	UTS (MPa)	0.2 %YS (MPa)	% EL. (L=4d)	CVN Impact (J) at -20°C
<b>SAF-2</b>	Typical	>550	> 420	28	40-50

PACKAGING	STANDARD SIZE	Diameter 2.5mm, 3.2mm & 4.0 mm
	QUANTITY	<ul style="list-style-type: none"> <li>➤ 25 kg. wire in metallic ring.</li> <li>➤ Identification-Brand name &amp; size is printed on label.</li> <li>➤ Packed in corrugated cardboard box.</li> <li>➤ 100Kg, 250kg, 500Kg &amp; 750kg Drum Packing also available on request.</li> </ul>

**An ISO 9001: 2008 COMPANY**

**D&H Sécheron Electrodes Private Limited**

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