## Choosing the Right Solar Flux Product for Your Project



Types of Solar Flux

## Solar Flux Type B

For welding all steels, especially stainless steels, **except** high nickel alloys (those containing over 25% nickel). See Application Chart, below.

## Solar Flux Type I

For welding high nickel alloys (those containing at least 25% nickel). See Application Chart, below.

**Note:** The type of Solar Flux needed is determined by the nickel content of the base metal only. With limited exceptions, the welding method used will not be a factor in determining the correct Solar Flux type for the project.

## Solar Flux Application Chart

In cases where two choices are listed below, the type of Solar Flux listed first is preferable.

Material	Shielded Metal Arc (SMAW)	Gas Metal Arc (GMAW-MIG) Gas Tungsten Arc (GTAW-TIG) Flux Cored Arc (FCAW) Submerged Arc (SAW) Atomic Hydrogen (AHAW)	Oxyacetylene	
For mild and low alloy steels, e.g.				
AISI 1010	В	В	В	
" 1020	В	В	В	
" 1030	В	В	В	
" 4130	В	В	В	
" 4140	В	В	В	
" 4340	В	В	В	
For the 18-8 stainless steels				
AISI 301	В	В	В	
" 302	В	В	В	
" 302B	В	В	В	
" 304	В	В	В	
" 304L	В	В	В	
" 305	В	В	В	
" 308	В	В	В	
" 316	В	В	В	
" 316L	В	В	В	
" 317	В	В	В	
" 317L	В	В	В	
" 321	В	В	В	
" 347	В	В	В	
" 348	В	В	В	
For other stainless steels				
AISI 201	В	В	В	
" 202	В	В	В	
" 309	В	I or B	l or B	

Material	Shielded Metal Arc (SMAW)	Gas Metal Arc (GMAW-MIG) Gas Tungsten Arc (GTAW-TIG) Flux Cored Arc (FCAW) Submerged Arc (SAW) Atomic Hydrogen (AHAW)	Oxyacetylene	
For other stainless steels, cont'd				
AISI 309S	В	I or B	I or B	
" 310	В	I or B	I or B	
" 310S	В	I or B	I or B	
" 314	В	I or B	I or B	
" 403	В	В	В	
" 405	В	В	В	
" 409	В	В	В	
" 410	В	В	В	
" 412	В	В	В	
" 414	В	В	В	
" 416	В	В	В	
" 420	В	В	В	
" 430	В	В	В	
" 431	В	В	В	
" 442	В	В	В	
" 446	В	В	В	
" 501	В	В	В	
" 502	В	В	В	
" 505	В	В	В	
For precipitation hardening stainless steels, chrome-moly steels, and all other alloys containing less than 25% nickel				
Various	В	В	В	
For high nickel super alloys containing 25% nickel or over, e.g. Monel, Inconel, Incoloy, and similar grades				
Various				