

AST 100B is an agglomerated submerged-arc welding flux used in combination with ferritic stainless steel strips such as Suprastrip 430.

The special formula enhances the weld bead profile with excellent and easy slag detachability and adds nickel to the weld deposit promoting a martensitic microstructure.

Damp flux should be re-dried at 300-350°C. Grain size according to EN 760: 2-20.

Wire	Classification
	DIN 32522 : BCS 4 868 DC+ 12 B-3-16

Wire	Approvals	Grades

Flux Analysis	
SiO ₂	32 %
CaF ₂	10 %
MgO	28 %
Al ₂ O ₃	15 %

Basicity to Boniszewski 1

Analysis of all-weld metal (Typical values in %)

Wire	C	Mn	Si	Cr	Ni	Mo	Nb	N	Cu
SUPRASTRIP 430 3rd Layer	0.49	0.57	0.90	16.30	4.01	-	-	-	-

All-weld metal Mechanical Properties

Wire	Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Hardness
SUPRASTRIP 430	-	-	-	-	355HB

Packaging data

Metallic drum 30kg

Further forms of delivery on request.

Current condition

DC+