

STEEL PLATES FROM HOT ROLLED COILS

Grade: S355J0WP+AR

Weather Resistant Steel

Quality **S355J0WP+AR**

Norm **EN10025-5:2004**

W. Nr. **1.8945**

Rolling state **AR – as rolled**

Description Structural steel with improved atmospheric corrosion resistance. Good machinability. Weather-resistant steel in flue gas structures prolongs the service life of chimneys and flue gas ducts and of all other products exposed to repeated dry/wet cycles.
Available also in 2500mm width.

Applications Facades, chimneys, bridges, containers, tanks and industrial filters.

Standard coils' stock range

S355J0WP+AR	1000	1250	1500	2000	2500
2	•	•	•		
2,5		•	•		
3	•	•	•		
4	•	•	•	•	
5	•	•	•	•	•
6	•	•	•	•	•
7			•	•	
8	•	•	•	•	•
10			•	•	•
12			•	•	•
15			•	•	•
20			•	•	

Dimensions other than the ones listed here can be sourced on agreement.

At times, some of the dimensions listed here might be unavailable: please make sure to get in touch with our sales department for a real-time update about the actual stock availability.

Chemical composition According to the norm

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.	0,02				0,30	0,25			
Max			0,12		1,25	0,55		1	0,009

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.			0,06						
Max	0,65		0,15	0,035	0,75				

Mechanical properties According to UNI EN 10025

Nominal Thickness (mm)	≤ 16	> 16
Yield Strenght (MPa)	≥ 355	≥ 345
Nominal Thickness (mm)	≤ 3	> 3
Tensile Strenght (MPa)	510 - 680	470 - 630

Nominal Thickness (mm)	1,5<t ≤2	2<t ≤2,5	2,5<t <3	t ≥3
Total Elongation A80%	≥ 16/14	≥ 17/15	≥ 18/16	
Total Elongation A5%				≥ 22/20
Temperature (°C)			0	
Notch Impact Energy (J)			≥ 27	

Tolerances

Dimensional Tolerances
 UNI EN 10051

Surface Status
 UNI EN 10163-2

Equivalences

W. Nr.	USX CORP (proprietary)	ASTM ASME	England BS	France AFNOR
1.8945	COR-TEN A®	A242-1	WR50A	E36WA3

Certifications

- EN10204-3.1
- CE / Declaration of Performance

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