

STEEL PLATES FROM COLD ROLLED COILS

Grade: CORTEN A[®]

Weather Resistant Steel

Quality **Cold Rolled CORTEN A[®]**

Norm **USX CORP. (proprietary)**

W. Nr. ----

Rolling state ----

Description Weather resistant steel for structural uses, slightly oiled for surface protection. Anticorrosive properties. In flue gas structures it prolongs the service life of chimneys and flue gas ducts.

Applications Facades, designer and urban furniture, chimneys, containers, tanks, industrial filters.

Standard coils' stock range

	1000	1250	1410	1500
0,6		•		
0,8		•		
1,0		•	•	
1,2		•		
1,5	•	•		•

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 **Standard CORTEN- A[®]**

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.	0,015				0,50	0,25		0,20	
Max	0,06		0,12		1,25	0,55		1	

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.			0,07		0,25				
Max	0,65		0,15	0,03	0,75				

Mechanical properties **Standard CORTEN- A[®]**

Nominal Thickness (mm)	≤ 1,50
Yield Strenght (MPa)	310
Nominal Thickness (mm)	≤ 1,50
Tensile Strenght (MPa)	450
Nominal Thickness (mm)	≤1,50
Total Elongation A80%	2
Temperature (°C)	not applicable
Notch Impact Energy (J)	-

Tolerances

Dimensional Tolerances
UNI EN 10131 : 2006

Surface Status
UNI EN 10163-2

Equivalences

W. Nr.	SSAB (proprietary)	ASTM ASME	Italia	France AFNOR
-	Weathering 355	A242-A	Fe510A1K1	E36W

Certifications

- MTC according to EN10204-3.1
- Being ruled by a proprietary norm, CORTEN A does not have CE nor DoP

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