

EN10155 [S355J2WP steel plate/sheet](#), EN10155 [S355J2WP steel plate/sheet](#), under EN standard, we can regard [S355J2WP steel plate/sheet](#) for steel resistant to Atmospheric corrosion steels.

EN10155 [S355J2WP steel grade](#) is a hot rolled products of structural steels in technical delivery conditions with improved atmospheric corrosion resistance. The steel grade in S235 a maximum carbon equivalent value of 0.44% and for grade s355 a maximum carbon equivalent value of 0.52% based on the ladle analysis shall for all thickness. The followings are the chemical composition and mechanical properties of EN S355J2WP steel plate.

The chemical composition of EN S355J2WP steel plate, by max %

Grade	C	Mn	Cr	Si	N	S	Cu	P
S355	0.15	1.1	0.25-	0.8	0.01	0.04-	0.20-	0.05-
J2WP			1.35			0.035	0.60	0.16

The mechanical properties of EN S355J2WP steel plate

Grade	Yield Strength Min. [MPa] Nominal Thickness (mm)						Tensile Strength [MPa] Nominal Thickness(mm)			Impact Degraa [J]	
	≤16	>16	>40	>63	>80	>100	≤3	>3	>100	-20	27
S355		≤40	≤63	≤80	≤100	≤150		≤100	≤150		
J2WP	355	345	-	-	-	-	510-680	470-630	-		

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