

UNI FE 510 D1K1 steel plate/sheet for steel resistant to atmospheric corrosion steels

UNI FE 510 D1K1 steel plate/sheet, UNI FE 510 D1K1 steel plate/sheet, under UNI standard, we can regard FE 510 D1K1 steel plate/sheet for steel resistant to Atmospheric corrosion steels.

UNI FE 510 D1K1 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 UNI FE 510 D1K1 steel plate.

The chemical composition of UNI FE 510 D1K1 steel plate, by max %

Grade	C	Mn	Cr	Si	N	S	Cu	P
FE 510 D1K1	0.15	1.1	0.25-1.35	0.8	0.01	0.04-0.035	0.20-0.60	0.05-0.16

The mechanical properties of UNI FE 510 D1K1 steel plate

Grade	Yield Strength Min. [MPa] Nominal Thickness (mm)						Tensile Strength [MPa] Nominal Thickness(mm)			Impact Degraa [J]	
	≤16	>16 ≤40	>40 ≤63	>63 ≤80	>80 ≤100	>100 ≤150	≤3	>3 ≤100	>100 ≤150	-20	27
FE 510 D1K1	355	345	-	-	-	-	510-680	470-630	-		

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