

NFA 35-502 E36WA3,E36WA3 steel,E36WA3 grade,E36WA3 steel grade, E36WA3 steel plate,E36WA3 steel supplier

E36WA3 Steel Description

E36WA3 is a structural weathering steel which is also referred to as atmospheric corrosion resistant steel. The main alloying elements are chromium nickel and copper with added phosphorous which gives it excellent self protecting qualities. As the steel reacts with elements in the atmosphere, the material forms a layer of rust over time which in essence protects the steel from corrosion.

E36WA3 steel is the Equivalent grades as S355J0WP (1.8945) steel in EN 10025 - 5 : 2004 standard and WR50A steel in BS 4360 standard and also FE510C1K1 steel in UNI standard.

E36WA3 Steel Application

E36WA3 (which is an equivalent grade to Corten A) provides a long lasting and economic structural steel solution for use in applications such as steel bridges stack gas applications and in steel sculptured buildings due to the material's aesthetically pleasing finish. Moreover, E36WA3 steel with improved atmospheric corrosion resistance has a wide range of applications: architecture, smokestacks, fabrication, freight wagons, silos, pylons etc..

E36WA3 Steel Supply Size

Thickness: From 2mm to 460mm

Width:From 1500mm to 3200mm

Length: From 6000mm to 12000mm

E36WA3 Steel Delivery state

Hot Rolled, Cold Rolled, Normalized, Quenched, Tempering, Thermal Mechanical Control Process (TMCP), Electroslag Remelting Technical, HIC test.

E36WA3 Steel Services

Cutting, Painting, shot blast, and The third party inspection in DNV, BV, LR, GL, ABS, CCS , SGS, and others in super thick ship steel plate.

E36WA3 Steel Chemical Composition

C %	Mn %	Cr %	Si %	CEV %	S %
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Bebon steel — The most professional exporter on weathering resistant steel

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Max 0.12	Max 1	0.3-1.25	Max 0.75	Max 0.52	Max 0.035
Cu %	P %	N %			
0.25-0.55	0.06 - 0.15	Max 0.009			

Method of deoxidation FN = rimming steels not permitted.

$$CEV = C + \frac{Mn}{6} + \frac{Cr+Mo+V}{5} + \frac{Ni+Cu}{15}$$

For long products the P and S content can be 0.005% higher.

The E36WA3 steels may show a Ni content of max. 0,65 %.

The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or if sufficient other N binding elements are present. The N binding elements shall be mentioned in the inspection document

E36WA3 Steel Mechanical Properties

Grade	Min. Yield Strength Mpa						Tensile Strength MPa			Impact	
	Nominal Thickness (mm)						Nominal Thickness (mm)			degree	J
Thick mm	≤16	>16	>40	>63	>80	>100	≤3	>3 ≤100	>100 ≤150	0	27
		≤40	≤63	≤80	≤100	≤150					
E36WA3	355	345	510-680	470-630		

The tensile test values given in the table apply to longitudinal samples; in case of strip and sheet steel of widths of ≥ 600 mm they apply to transverse samples.

If E36WA3 mechanical properties have been significantly modified by heavy coldforming, either stress relief annealing or normalised may be applied. Normalised should also be applied following hotforming outside of the temperature range of 750 - 1.050 °C and after overheating.

Henan Bebon International Co., Ltd is specialized in super thick atmospheric corrosion resistance of structural steel plate. Bebon International is a professional E36WA3 steel exporter and a steel Stockist in china. We keep more than 1000 tons E36WA3 steel in stock every month. Besides that, Bebon International has very good relationship with every big steel mill, so we could promise the delivery time and the competitive price compared with other companies. So, if you have any inquiry about E36WA3 steel, if you are looking for a sincerely E36WA3 steel supplier and want to get the E36WA3 steel price, please do not hesitate to contact us. Any need in E36WA3 steel grade, please feel free to contact us by email or calling to us, we will supplier high quality E36WA3 steel with competitive price to you soon.

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