

Ruukki COR-TEN® specification:

Ruukki COR-TEN® is a weather-resistant steel (Copper, Chromium, Nickel and Phosphorus) . Ruukki COR-TEN® is used in a variety of environments with many applications. As a result of the alloying elements a dense protective patina layer composed of corrosion products forms on the surface of the COR-TEN® steel under the influence of weather conditions, which significantly slows down the rate of rusting, initially the protective layer is reddish-brown but gains a darker hue with time.

Ruukki COR-TEN® is produced under licence from the United States Steel Corporation- COR-TEN® is a registered trademark of USX Corporation.

Mechanical properties

Elongation	Yield strength	Tensile strength	
	R <sub>e</sub> MPa	R <sub>m</sub> MPa	A <sub>80</sub> %
COR-TEN A	310	480	22

Tensile testing is carried out transverse to the rolling.

1) If the yield point is not pronounced, the values apply to the 0.2% proof strength R<sub>p0.2</sub>. If the yield point is pronounced, the values apply to the lower yield point (R<sub>eL</sub>).

Chemical composition

		Content %						
Ni	Al	C	Si	Mn	P	S	Cr	Cu
COR-TEN A	Minimum			0.25	0.20	0.07	0.50	0.25
0.015								
	Maximum	0.12	0.75	0.50	0.15	0.03	1.25	0.55
0.65	0.060							

**Please note:** Any product offered as COR-TEN® that does not have the registered trademark or relevant certificates is not COR-TEN® and is an imitation. The chemical composition in the imitation products is different to the trademark COR-TEN®. Final colour of imitation products is Orange/Brown COR-TEN® is dark rust brown.

A Ruukki COR-TEN® certificate of authenticity can be issued on request.

Ruukki COR-TEN® is distributed by:

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Cladding Australia Pty Ltd has an experienced network of cladding companies throughout Australia that offer a total supply and construct quotation or supply only .