



ARCHCLAD™ CORTEN A

Weathering steel resists atmospheric corrosion significantly better than normal structural steels. This weather resistance is based on the oxide layer (or patina) which forms on the surface of the steel and which as a result of the alloying elements is extremely dense. Once fully formed this surface is nearly impervious to oxygen. Under normal weather conditions the patina will form in about 18-36 months as long as the surface is alternately wet and dry. At first the patina is a reddish brown colour but with time it becomes a darker hue. In an industrial atmosphere the patina forms more quickly and is darker in colour than in rural areas.

An added bonus to be mentioned is that once the protective patina is formed further corrosion is almost non-existent given that the corrosion progress in weathering steel is non-linear.

United States Steel Corporation holds the registered trademark on the name CORTEN® A. Our material is manufactured in Europe under licence to United States Steel Corporation. Test certificates are available on request.

The runoff of the CORTEN® A cladding will slow down and eventually stop entirely. However it would be prudent to design the cladding to alleviate this bleeding effect by using small gutters or installing non porous materials below the CORTEN® A.

COMPOSITION

Content %		C	Si	Mn	P	S	Cr	Cu	Ni	Al
CORTEN 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	0.06



the *Elegance* of the *Desert*

ACCREDITED INSTALLER:



CORTEN A CLADDING (CASSETTE PANELS), ALICE SPRINGS |

| FLATLOCK PANELS



KEY FEATURES

- Perfect for renovations & new constructions in a horizontal or vertical application;
- For buildings higher than 30m wind load testing required;
- Max recommended length 3 m;
- Max recommended panel width c/c 360 mm;
- Ideal for curved facades (in plan);
- To be installed on continuous substrate like CD grade plywood (15mm for facade);
- Material thickness 0.7 mm.

| STANDING SEAM - SINGLE LOCK



KEY FEATURES

- Standard panel width 530mm max;
- Perfect for renovations & new constructions;
- Panel length up to 6 m vertically;
- Installed horizontally or vertically;
- Material thickness 0.7 mm;
- Installed on min 15mm CD grade plywood substrate with Proctor waterproof, breathable, vapour membrane;
- Pitch options from 5° to 90°.

| EXPRESS PANELS



KEY FEATURES

- Perfect when a long flat appearance is required;
- Widths can vary for random effects;
- Staggered Joints & Splayed applications are possible;
- Express Joints can vary from 15-30mm;
- Standard Panel Width 294mm;
- System is a rain screen so requires diligent installation;
- Maximum recommended sheet length 6m;
- Top Hat Substructure fixed at 600mm c/c;
- Material thickness 0.7mm.

TESTED TO AS 4040.2-1992

| CORRUGATED SHEETS



KEY FEATURES

- Ideal for renovations & new constructions for roofing or facade application;
- 76 mm rib spacing available in 0.7 Corten A;
- Also available in Aluminium, Copper and Titanium Zinc;
- Pronounced corrugated look due to 18 mm profile depth and 760mm cover;
- Strong panels with extended spans;
- Material thickness 0.7 mm.



| CASSETTE PANELS



KEY FEATURES

- Perfect for new construction or renovations;
- Can be applied to vertical walls (slope of 90°) & soffits;
- According to the configuration of the system the Cassette Panel is suited to all wind zones;
- The Cassette Panel is manufactured in Corten A 1.6mm and 3.0mm.

samples |



CORTEN A IN RAW FORM |



WEATHERED CORTEN A |