



RUUKKI COR-TEN® WEATHER RESISTANT STEEL

ZC Technical is a proud supplier and designer of cladding systems. We manufacture and install COR-TEN® in a variety of custom made panels systems. For more detail visit our website www.zctechnical/producttypes/cladding

COR-TEN® FEATURES

- Often called “weathering steel”, COR-TEN® forms a stable rust-like appearance if exposed to the weather for several years.
- This protective surface layer, or patina, is produced by COR-TEN®’s chemical composition and produces anti-corrosive properties superior to many other structural steels.

Superior anti-corrosive properties

Protective, self-regenerating surface layer

Highly resistant to weather conditions

Distinctive rust-like appearance, great for architectural and sculptural applications

Effectively withstands corrosion caused by exhaust gases and sulfur-containing fuels

THE BEST METALS

- ✓ Exceptional quality
- ✓ Proven strength
- ✓ Long lifespan
- ✓ 100% recyclable
- ✓ Less energy + water in production: smarter sustainability choice
- ✓ Outstanding corrosion resistance
- ✓ Incredible versatility in style, design and function

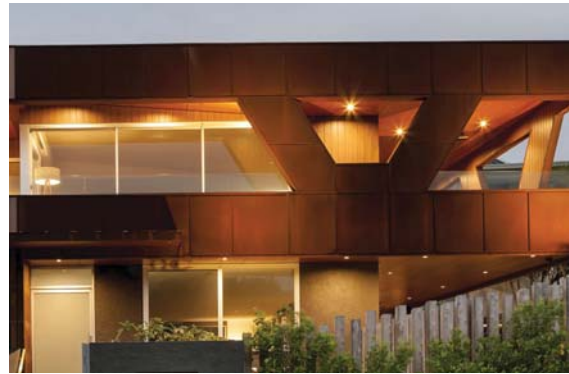
RUKKI COR-TEN® WEATHER RESISTANT STEEL

COR-TEN® BENEFITS

- Corten steel material is highly resistant to corrosion and weather conditions, boosting durability and longevity.
- Protective oxide layer regenerates if damaged, making it a low maintenance, cost-effective and resilient material.
- Withstands corrosion caused by exhaust gases from sulphur-containing fuels better than many other structural steels.
- Superior resistance to scaling at high temperatures.
- Striking aesthetic, ideal for many sculptural and architectural applications.

COR-TEN® COLOURS

- The protective layer develops within 18–36 months under normal atmospheric conditions provided that the steel surface regularly becomes wet and dry.
- At first the protective layer is reddish-brown, but gains a darker hue with time.
- In an industrial environment, the patina develops faster and becomes darker in colour faster than in rural areas.



WEATHER RESISTANCE – HOW IT WORKS.

The atmospheric corrosion resistance of weather – resistant steel is based on the chemical composition of the steel. Under the influence of weather conditions a dense protective patina layer composed of corrosion products is formed on the surface of the COR-TEN® steel. The protective layer (Patina) develops in approximately 18 months.

