



## TECH NOTE

### Weathered Steel

The weathered effect demonstrated on our signage is achieved by using steel which contains special alloying elements which react with the air to form a dense tight oxide film to protect the steel beneath from further corrosion.

Weathering steel is compatible with the environment. It complements natural surroundings and is a durable and is a cost-effective construction material.

The appearance, texture and maturity of the weathered steel's patina depend upon three primary natural factors, time, the degree of exposure and atmospheric environment.



With time, the oxide coating changes from a rusty red-orange to a dark purple-brown. Frequent wet-dry cycles, rain, wind and sun promote the weathering process.

Weathering steels are used for architect designed buildings & structures, this demonstrates the steel's strength.

The Australian Pavilion at Shanghai Expo 2010, with its stunning exterior fully clad in weathering steel is one excellent example. The architect specifically selected weathering steel due to its unique durability, texture, patina and its ability to evoke the Australian landscape.

By choosing signage made from steel you make an ecologically & environmentally sound choice for future generations.

Note: Be aware that ordinary steel will rust & initially can look like weathering steel, but it will continue to rust & deteriorate.