

WEATHERING STEEL

AS/NZS 3678 – WR350

AS/NZS 1594 – HW350

AS/NZS 1595 – CW300-G

ENHANCED WEATHER RESISTANCE

BlueScope produces a range of steels in Plate, Hot Rolled Coil and Cold Rolled Coil with enhanced weather resistance. In non-marine and non-industrial environments, weathering steels exhibit greater resistance to corrosion than traditional structural steels. Typically, the cost advantage compared to painted structures is more pronounced in environments where regular repainting is required.



WEATHERING STEELS ARE AVAILABLE IN A WIDE VARIETY OF DIMENSIONS TO SUIT INDIVIDUAL REQUIREMENTS.



WEATHERING STEEL

BlueScope produces a range of steels which, typically in non-marine and non-industrial environments, have enhanced weather resistance when compared to traditional steels. These steels are known as “weathering resistant steels” or “weathering steels” and are widely recognised for their distinctive “patina” which results from protective surface oxidation and develops during exposure to the atmosphere.

The patina is actually a complex protective oxide layer that forms on the steel’s surface. It is this oxide layer that gives the steel its distinctive appearance as well as contributing to this material’s enhanced weather resistance capabilities compared to standard steels. If the protective oxide layer is damaged, the process of oxidation may recommence in that area until the protective layer is reformed.

The improved corrosion performance can lead to improved service life and can

provide a cost advantage over other materials. Weathering steels are typically used in bridges, rolling stock and shipping container applications. The aesthetic qualities of weathering steels have also led to their use in architectural applications such as building facades as well as for decorative sound barriers on freeways.

For further and more detailed information on weathering steels (including corrosion resistance capabilities and limitations) please refer to BlueScope Technical Bulletin 26.

PRODUCT AVAILABILITY

WEATHERING STEEL PRODUCT AVAILABILITY						
Product	Grade	Thick (mm)	Width (mm)	Length (m)	MOQ	Tonnes (t)
XLERPLATE® steel (Plate)	AS/NZS 3678 – WR350	8 – 20	1800 – 3000	4 – 18	2 slabs	10
XLERPLATE® steel (Plate)	AS/NZS 3678 – WR350L0	8 – 20	1800 – 3000	4 – 18	2 slabs	10
XLERPLATE® steel (Plate)	AS/NZS 3678 – WR350L0*	10 – 80	1800 – 3000	4 – 18	By enquiry	
TRU-SPEC® steel (Coil Plate)	AS/NZS 1594 – HW350	3 – 6	1155 – 1250	4 – 12	1 mill coil	19
Hot Rolled Coil	AS/NZS 1594 – HW350	3 – 6	1155 – 1250	N/A	1 mill coil	19
Cold Rolled Coil	AS/NZS 1595 – CW300-G	1 – 2	1155 – 1250	N/A	1 mill coil	19

LEAD TIMES (FOR DISTRIBUTION CUSTOMERS ONLY)

LEAD TIMES (DELIVERED INTO STORE)				
Product	Grade	Thick (mm)	NSW, VIC, SA, ACT, QLD Metro	TAS, NT, WA, QLD Country
XLERPLATE® steel (Plate)	AS/NZS 3678 – WR350	8 – 20	7 weeks ^a	8 weeks ^a
XLERPLATE® steel (Plate)	AS/NZS 3678 – WR350L0	8 – 20	7 weeks ^a	8 weeks ^a
XLERPLATE® steel (Plate)	AS/NZS 3678 – WR350L0*	10 – 80	By enquiry	By enquiry
TRU-SPEC® steel (Coil Plate)	AS/NZS 1594 – HW350	3 – 6	6 weeks	7 weeks
Hot Rolled Coil	AS/NZS 1594 – HW350	3 – 6	4 weeks	5 weeks
Cold Rolled Coil	AS/NZS 1595 – CW300-G	1 – 2	8 weeks	9 weeks

^aShorter than normal lead times may be possible on enquiry.

*AS/NZS 3678 – WR350L0 in thicknesses greater than 10mm is a grade specially designed for heavy structures such as bridges, which can also be certified to EN 10025-5-S355J0W+N.



steel.com.au

To learn more about weathering steel or to obtain a datasheet

1800 800 789

For information and support

