

# **XLERPLATE<sup>®</sup> steel**

**AS/NZS 3678 – A1006**

## **General description**

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A low carbon steel

## **Typical uses**

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Galvanising kettles

## **Features & benefits**

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Excellent galvanising characteristics

Excellent weldability

Excellent formability

## **Warnings**

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This material should be used in conjunction with the appropriate structural design and welding standards.

An untrimmed (mill) edge may contain surface discontinuities associated with the rolling process (refer to clause 8 of AS/NZS 3678). The plate supplied may include an amount outside of the nominal ordered width, in accordance with relevant Australian standards. The area of the supplied plate which is outside of the nominal (customer ordered) width must not be used. Customers are advised to remove an equal width from each side of the plate when trimming.

Correct selection of electrodes for end use application, particularly regarding galvanising tank applications, it is important to refer to electrode manufacturer.

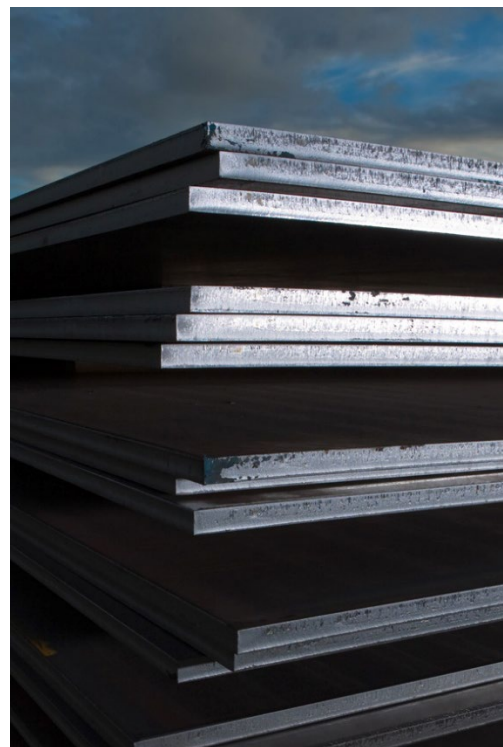
## **Australian and International Standards**

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AS/NZS 3678:2016

AS/NZS 1365:1996 (R2016)

ISO 9001:2015 Quality System certified



## Normal / optional supply conditions

	Normal	Optional
Thickness Range	8mm – 180mm	-
Availability	By enquiry only	-
Edge Condition	Untrimmed (Mill Edge)*	Trimmed
Tolerances	AS/NZS 1365:1996 (R2016)	-
Ultrasonic Inspection	-	AS 1710:2007
Surface Inspection	BlueScope	Third party
Certification	BlueScope	Third party endorsed

Optional supply conditions may be subject to dimensional restrictions

## Chemical composition

Element	Guaranteed Maximum %
Carbon	0.08
Silicon	0.03
Manganese	0.40
Phosphorus	0.040
Sulfur	0.030
Chromium	0.25
Nickel	0.50
Copper	0.40
Molybdenum	0.10
Aluminium	0.10
Titanium	0.040
CEQ (IIW)	0.09

All values shown refer to the relevant Australian Standard unless otherwise stated

$$CEQ(IIW) = C + \frac{Mn}{6} + \frac{(Cr + Mo + V)}{5} + \frac{(Cu + Ni)}{15}$$

## Fire hazard properties

Test & Evaluation Method	Result
Combustibility test for materials (AS 1530.1-1994 (R2016))	Not deemed combustible (steel substrate) #

# These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

**[steel.com.au](http://steel.com.au)**

To ensure you have the most current information

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