

Using XLERPLATE® steel Datasheets

Datasheets are available for standard grades of XLERPLATE® steel. These datasheets contain important technical and application data required to support customers' use of these products.

Each datasheet contains an overview of the general features of the XLERPLATE® steel grade, including typical uses, the general supply condition and features and benefits. In addition, datasheets highlight the precautions that should be considered when using a particular grade of XLERPLATE® steel.

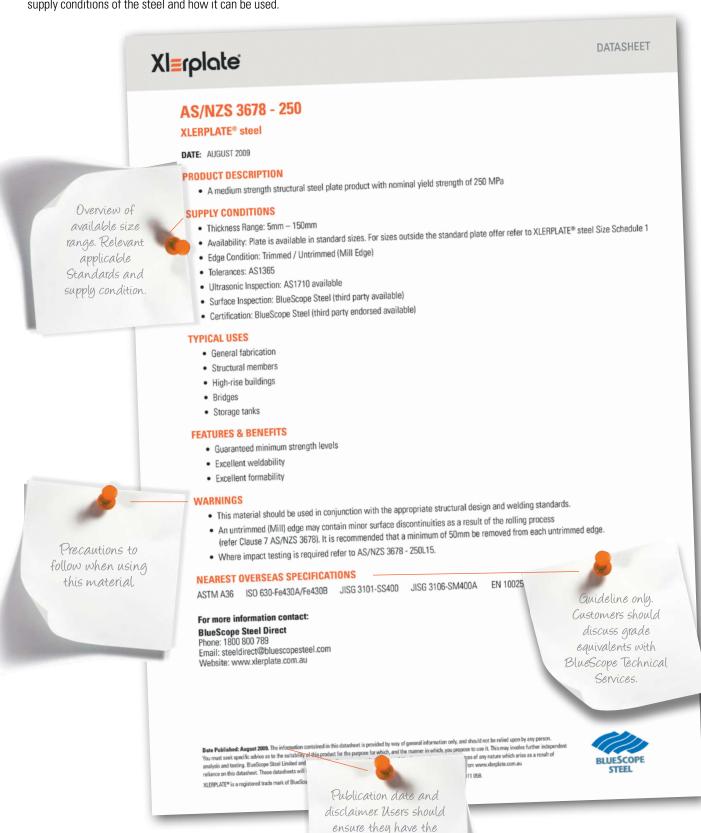
Datasheets also contain detailed information relating to the chemical and mechanical properties of the steel. This information is of particular relevance to engineers and designers.

XLERPLATE® steel datasheets are supported by a team of experienced technical experts at BlueScope Steel and can be contacted on 1800 800 789.



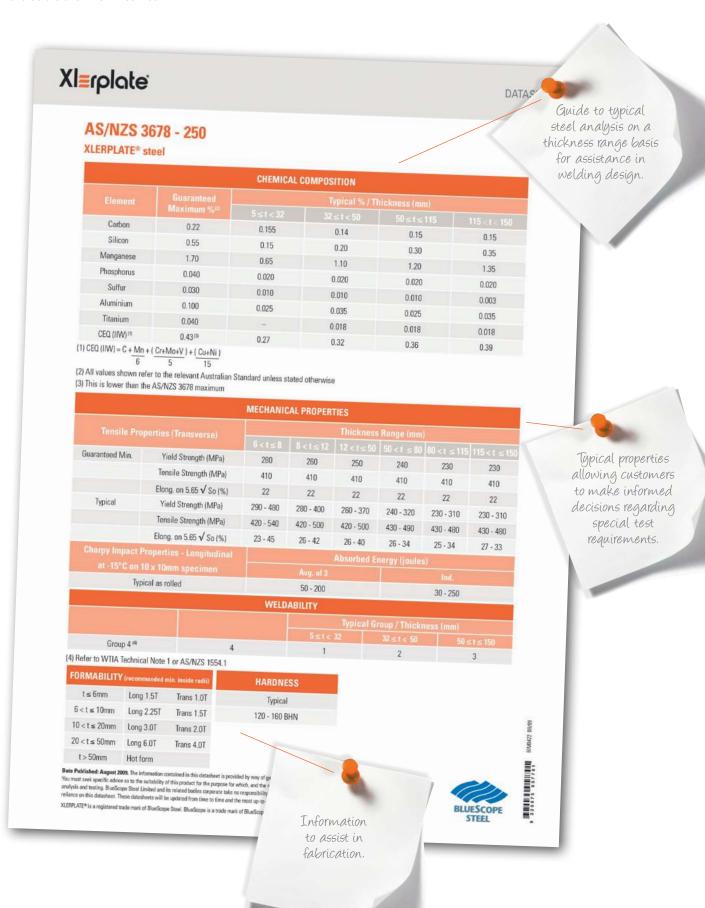
Using XLERPLATE® steel and XLERPLATE LITE™ steel Datasheets

The front page of the datasheet presents an overview of the steel grade, providing customers with a guide to the supply conditions of the steel and how it can be used.



most recent version of the datasheet by checking at www.xlerplate.com.au

The back page details the chemical and mechanical specifications for the XLERPLATE® steel grade, as well as outlining its typical properties. This detailed information is of particular importance to designers and engineers during the design phase of a project. Additionally, the information presented gives fabricators and manufacturers some confidence in how the product will perform during manufacture and when in service.





PRODUCT STANDARDS	
Standard	Description
AS/NZS 3678 - Structural Steel	This Standard specifies requirements for the production and supply of hot rolled structural XLERPLATE® steel and XLERPLATE® steel floorplate.
AS/NZS 1594 - Hot Rolled Steel	This Standard specifies requirements for the production and supply of hot rolled XLERPLATE LITE™ steel and XLERPLATE LITE™ steel floorplate, rolled on a continuous mill.
AS 1548 - Pressure Vessel Steel	This Standard specifies requirements for hot rolled XLERPLATE® steel for use in boilers and pressure vessels in accordance with the 2008 version of the Standard.
XLERPLATE® STEEL	
Datasheet	Description
AS/NZS 3678 - 250	A medium strength structural steel plate product with nominal yield strength of 250 MPa
AS/NZS 3678 - 250 floorplate	A hot rolled structural floorplate (raised pattern on one surface)
AS/NZS 3678 - 250L15	A structural steel plate product suitable for low temperature applications with nominal yield strength of 250 MPa and guaranteed impact properties at -15°C
AS/NZS 3678 - 300	A medium strength structural steel plate product with nominal yield strength of 300 MPa
AS/NZS 3678 - 300L15	A structural steel plate product suitable for low temperature applications with nominal yield strength of 300 MPa and guaranteed impact properties at -15°C
AS/NZS 3678 - 350	A high strength structural steel plate product with nominal yield strength of 350 MPa
AS/NZS 3678 - 350L15	A structural steel plate product suitable for low temperature applications with nominal yield strength of 350 MPa and guaranteed impact properties at -15°C
AS/NZS 3678 - 400	A high strength structural steel plate product with nominal yield strength of 400 MPa
AS/NZS 3678 - 400L15	A structural steel plate product suitable for low temperature applications with nominal yield strength of 400 MPa and guaranteed impact properties at -15 $^{\circ}$ C
AS/NZS 3678 - 450	A high strength structural steel plate product with nominal yield strength of 450 MPa
AS/NZS 3678 - A1006	Low carbon and low strength structural steel plate product grade
AS/NZS 3678 - K1042	A heat treatable steel plate grade for general engineering applications
AS/NZS 3678 - WR350	Structural weather resistant steel plate product with nominal yield strength of 350 MPa
AS 1548 - PT430T (L0)	A fully killed, fine grained, Carbon-Manganese steel for boiler and pressure vessel applications
AS 1548 - PT460N (L20, L40)	A fully killed, fine grained, Carbon-Manganese steel for boiler and pressure vessel applications
AS 1548 - PT460NRA (L0, L20)	A fully killed, fine grained, Carbon-Manganese steel for boiler and pressure vessel applications
AS 1548 - PT460NR (LO, L20)	A fully killed, fine grained, Carbon-Manganese steel for boiler and pressure vessel applications
AS 1548 - PT460T (L20, L40, L50)	A fully killed, fine grained, Carbon-Manganese steel for boiler and pressure vessel applications
AS 1548 - PT490N (L20, L40, L50)	A fully killed, micro-alloyed, fine grained steel for boiler and pressure vessel applications
AS 1548 - PT490T (L20, L40, L50)	A fully killed, micro-alloyed, fine grained steel for boiler and pressure vessel applications
AS 1548 - PT490NRA (L20, L40, L50)	This grade may be used in situations where subsequent hot forming processes are carried out in a manner to replicate normalising (refer to AS 1548)
AS 1548 - PT490NR (L20, L40, L50)	A fully killed, micro alloyed, fine grained steel plate product for boiler and pressure vessel applications
XLERPLATE LITE™ STEEL	
Standard	Description
AS/NZS 1594 - HA1	Hot rolled commercial forming steel product suitable for simple forming, welding and bending operations
AS/NZS 1594 - HA200	Hot rolled structural steel product with minimum yield strength of 200 MPa; good ductility and good weldability
AS/NZS 1594 - HA250	Hot rolled structural steel product with minimum yield strength of 250 MPa; good ductility and good weldability
AS/NZS 1594 - HA250 floorplate	A hot rolled structural steel floorplate (raised pattern on one surface) product with a minimum yield strength of 250 MPa and good weldability
AS/NZS 1594 - HA300	Hot rolled structural steel product with minimum yield strength of 300 MPa; good ductility and good weldability
AS/NZS 1594 - HA350	Hot rolled structural steel product with minimum yield strength of 350 MPa; good ductility and good weldability
AS/NZS 1594 - HW350	Hot rolled weather resistant steel structural product with minimum yield strength of 350 MPa; good ductility and good weldability





