

<b>Applications</b>	<p>BISPLATE® 600 – is a through hardened, abrasion resistant steel plate, offering long life expectancy in the more demanding sliding and gouging applications, especially in mining, earthworks and quarry works etc. BISPLATE® 600 is the hardest steel produced by Bisalloy Steels and offers exceptionally long life in applications with maximum sliding and minimal impact such as:</p> <ul style="list-style-type: none"> <li>• Wear Liners</li> <li>• Chutes and Chute Liners</li> <li>• Mining Buckets</li> <li>• Ground Engaging Tools</li> <li>• Cutters and Cutting Edges</li> <li>• Shredders</li> <li>• Hammers</li> </ul>												
<b>Chemical Composition</b>	<b>Thickness (mm)</b>		<b>C</b>	<b>P</b>	<b>Mn</b>	<b>Si</b>	<b>S</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>B</b>	<b>CE(IIW)*</b>	<b>CET*</b>
	8-50	Maximum	0.45	0.020	0.40	0.35	0.008	0.50	1.20	0.30	0.002	0.75	0.52
	*Typical Average												
<b>Typical Charpy Impact Properties (Longitudinal)*</b>	<b>Plate Thickness (mm)</b>		<b>Energy (J)</b>		<b>Test Temp (°C)</b>								
	16		12		-40								
	*10 x 10mm sample												
<b>Hardness</b>	Specification 577 – 634 HB Typical 600 HB												
<b>Testing</b>	All testing is NATA approved												
<b>Reference Specifications</b>	Welding according to AS/NZS 1554 parts 4 and 5, WTIA Technical Note 15												
<b>Manufacturing Tolerances</b>	In accordance with AS/NZS 1365 Tighter tolerances may be available on negotiation												
<b>Surface Finish</b>	Shotblasted												
<b>Plate Colour Code</b>	Red												
<b>Fabrication</b>	<p>BISPLATE® 600 is a medium carbon, very high hardness, abrasion resistant steel. With appropriate attention to heat input, BISPLATE® 600 can be successfully cut by conventional techniques. Because of its high hardness, cold forming, some weld methods, drilling and tapping of BISPLATE® 600 is difficult, requiring much greater allowances in equipment. BISPLATE® 600 obtains its mechanical properties by quenching and when necessary by means of subsequent tempering. The properties of the delivery condition cannot be retained after exposure to temperatures in excess of 250°C and BISPLATE® 600 is not intended for further heat treatment.</p> <p>For advice on fabrication please contact Bisalloy direct or visit <a href="http://www.bisalloy.com.au">www.bisalloy.com.au</a></p>												

PLEASE NOTE: Every care has been taken to ensure the accuracy of information contained in this manual which supersedes earlier publications, however Bisalloy Steels shall not be liable for any loss or damage whatsoever caused from the application of such information. Typical values are provided for reference information only and no guarantee is given that a specific plate will provide these properties. Information is subject to change without notice.

February 2013