Non-Confidential Attachment A-3.2

Australian Customs Tariff Schedule 3 Extracts

8.4	06.4		R.3	Section Chapter 72	•
Reference Statistical Number Code/Unit			Goods	Rate #	
			SUB-CHAPTER II		
			IRON AND NON-ALLOY STEEL		
7206			IRON AND NON-ALLOY STEEL IN INGOTS OR OTHER PRIMARY FORMS (EXCLUDING IRON OF 7203):		
7206.10.00	04	t	- Ingots	Free	
7206.90.00	05	t	- Other	5% DCS:Free	
7207			SEMI-FINISHED PRODUCTS OF IRON OR NON-ALLOY STEEL:		
7207.1			- Containing by weight less than 0.25% of carbon:		
7207.11.00	06	t	Of rectangular (including square) cross-section, the width measuring less than twice the thickness	5% DCS:Free	
7207.12.00	07	1	Other, of rectangular (other than square) cross- section	5% DCS:Free	
7207.19.00	08	t	Other	5% DCS:Free	
7207.20.00	09	t	- Containing by weight 0.25% or more of carbon	5% DCS:Free	
7208			FLAT-ROLLED PRODUCTS OF IRON OR NON- ALLOY STEEL, OF A WIDTH OF 600 mm OR MORE, HOT-ROLLED, NOT CLAD, PLATED OR COATED:		
7208.10.00	31	t	 In coils, not further worked than hot-rolled, with patterns in relief 	5% DCS:Free	
7208.2			 Other, in coils, not further worked than hot-rolled, pickled: 		
7208.25.00	32	1	Of a thickness of 4.75 mm or more	5% DCS:Free	
7208.26.00	33	t	Of a thickness of 3 mm or more but less than 4.75 mm	5% DCS:Free	
7208.27.00	34	t	Of a thickness of less than 3 mm	5% DCS:Free	
7208.3			- Other, in coils, not further worked than hot-rolled:		
7208.36.00	35	t	Of a thickness exceeding 10 mm	5% DCS:Free	
7208.37.00	36	1	Of a thickness of 4.75 mm or more but not exceeding 10 mm	5% DCS:Free	

[#] Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in Schedules 5, 6, 7 or 8 rates for US, Thai, Chilean and AANZ originating goods, respectively, are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to this Act.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

CUSTOMS TARIFF SCHEDULE 3

		stical e/Unit	Goods	Rate #
7208.38.00	37	r	Of a thickness of 3 mm or more but less than 4.75 mm	5% DCS:Frce
7208.39.00	38	1	Of a thickness of less than 3 mm	5% DCS:Free
7208.40.00	39	1	- Not in coils, not further worked than hot-rolled, with patterns in relief	5% DCS:Free
7208.5			 Other, not in coils, not further worked than hot- rolled; 	
7208.51.00	40	t	Of a thickness exceeding 10 mm	5% DCS:Free
7208.52.00	41	1	Of a thickness of 4.75 mm or more but not exceeding 10 mm	5% DCS:Free
7208.53.00	42	t	Of a thickness of 3 mm or more but less than 4.75 mm	5% DCS:Free
7208.54.00	43	t	Of a thickness of less than 3 mm	5% DCS:Free
7208.90.00	30	ľ	- Other	5% DCS:4% DCT:5%
7209			FLAT-ROLLED PRODUCTS OF IRON OR NON- ALLOY STEEL, OF A WIDTH OF 600 mm OR MORE, COLD-ROLLED (COLD-REDUCED), NOT CLAD, PLATED OR COATED:	
7209.1			 In coils, not further worked than cold-rolled (cold-reduced): 	
7209.15.00	33	1	Of a thickness of 3 mm or more	5% DCS:Free DCT:5%
7209.16.00	34	1	Of a thickness exceeding 1 mm but less than 3 mm	5% DCS:Free DCT:5%
7209.17.00	35	t	Of a thickness of 0.5 mm or more but not exceeding 1 mm	5% DCS:Free DCT:5%
7209.18.00	36	t	Of a thickness of less than 0.5 mm	5% DCS:Free DCT:5%

[#] Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in Schedules 5, 6, 7 or 8 rates for US, Thai, Chilean and AANZ originating goods, respectively, are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to this Act.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

CUSTOMS TARIFF SCHEDULE 3

R.4

				17.4	<u> </u>
	Reference Number		stical e/Unit	Goods	Rate #
	7222			OTHER BARS AND RODS OF STAINLESS STEEL; ANGLES, SHAPES AND SECTIONS OF STAINLESS STEEL:	
	7222.1			 Bars and rods, not further worked than hot-rolled, hot-drawn or extruded: 	
	7222.11.00	49	t	Of circular cross-section	Free
**	7222.19.00	52	ı	Other	5% DCS:4% DCT:5%
**	7222.20.00 63 t - Bars and rods, not further we or cold-finished		- Bars and rods, not further worked than cold-formed or cold-finished	5% DCS:4% DCT:5%	
	7222.30.00			- Other bars and rods	5% DCS:4% DCT:5%
		37 38	t t	Of a diameter or width of 10 mm or more Of a diameter or width of less than 10 mm	
	7222.40.00	39	t	- Angles, shapes and sections	5% DCS:4% DCT:5%
	7223.00.00	13	t	WIRE OF STAINLESS STEEL	5% DCS:4% DCT:5%
				SUB-CHAPTER IV	
				OTHER ALLOY STEEL; HOLLOW DRILL BARS AND RODS, OF ALLOY OR NON-ALLOY STEEL	
	7224			OTHER ALLOY STEEL IN INGOTS OR OTHER PRIMARY FORMS; SEMI-FINISHED PRODUCTS OF OTHER ALLOY STEEL:	
	7224.10.00	14	t	-Ingots and other primary forms	5% DCS:4% DCT:5%
	7224.90.00	15	t	-Other	5% DCS:4% DCT:5%

[#] Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in Schedules 5, 6, 7 or 8 rates for US, Thai, Chilean and AANZ originating goods, respectively, are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to this Act.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

CUSTOMS TARIFF SCHEDULE 3

,	Reference Number	Statis Code		Goods	Rate #
	7225			FLAT-ROLLED PRODUCTS OF OTHER ALLOY STEEL, OF A WIDTH OF 600 mm OR MORE:	
	7225.1			- Of silicon-electrical steel:	
	7225.11.00	40	t	Grain-oriented	5% DCS:4% DCT:5%
	7225.19.00	41	t	Other	5% DCS:4% DCT:5%
**	7225.30.00	17	1	- Other, not further worked than hot-rolled, in coils	5% DCS:4% DCT:5%
	7225.40.00			- Other, not further worked than hot-rolled, not in coils	5% DCS:4% DCT:5%
		19	t	Of high speed steel	
		2 <i>1</i> 22	<i>t</i>	High alloy: .Quenched and tempered .Other	
		23 24	t t	Other: .Quenched and tempered .Other	
**	7225.50.00	32	t	- Other, not further worked than cold-rolled (cold-reduced)	5% DCS:4% DCT:5%
	7225.9			- Other:	
**	7225.91.00	33	t	Electrolytically plated or coated with zinc	5% DCS:4% DCT:5%
**	7225.92.00	38	t	Otherwise plated or coated with zinc	5% DCS:4% DCT:5%
**	7225.99.00	39	t	Other	5% DCS:4% DCT:5%

[#] Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in Schedules 5, 6, 7 or 8 rates for US, Thai, Chilean and AANZ originating goods, respectively, are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to this Act.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

Non-Confidential Attachment A-3.3.1

Xlerplate 250 Data Sheet



XLERPLATE® steel

DATE: AUGUST 2009

PRODUCT DESCRIPTION

A medium strength structural steel plate product with nominal yield strength of 250 MPa

SUPPLY CONDITIONS

- Thickness Range: 5mm 150mm
- Availability: Plate is available in standard sizes. For sizes outside the standard plate offer refer to XLERPLATE® steel Size Schedule 1
- Edge Condition: Trimmed / Untrimmed (Mill Edge)
- Tolerances: AS1365
- Ultrasonic Inspection: AS1710 available
- Surface Inspection: BlueScope Steel (third party available)
- · Certification: BlueScope Steel (third party endorsed available)

TYPICAL USES

- · General fabrication
- Structural members
- · High-rise buildings
- Bridges
- · Storage tanks

FEATURES & BENEFITS

- · Guaranteed minimum strength levels
- · Excellent weldability
- · Excellent formability

WARNINGS

- This material should be used in conjunction with the appropriate structural design and welding standards.
- An untrimmed (Mill) edge may contain minor surface discontinuities as a result of the rolling process
 (refer Clause 7 AS/NZS 3678). It is recommended that a minimum of 50mm be removed from each untrimmed edge.
- Where impact testing is required refer to AS/NZS 3678 250L15.

NEAREST OVERSEAS SPECIFICATIONS

ASTM A36 ISO 630-Fe430A/Fe430B JISG 3101-SS400 JISG 3106-SM400A EN 10025-2-S235JR

For more information contact:

BlueScope Steel Direct

Phone: 1800 800 789

Email: steeldirect@bluescopesteel.com Website: www.xlerplate.com.au





XLERPLATE® steel

CHEMICAL COMPOSITION									
Element	Guaranteed Maximum % ⁽²⁾		Typical % / Th	ickness (mm)					
Carbon	0.22	0.155	0.14	0.15	0.15				
Silicon	0.55	0.15	0.20	0.30	0.35				
Manganese	1.70	0.65	1.10	1.20	1.35				
Phosphorus	0.040	0.020	0.020	0.020	0.020				
Sulfur	0.030	0.010	0.010	0.010	0.003				
Aluminium	0.100	0.025	0.035	0.025	0.035				
Titanium	0.040	-	0.018	0.018	0.018				
CEQ (HW)(1)	0.43(3)	0.27	0.32	0.36	0.39				
	(1) CEQ (IIW) = $C + Mn + (Cr + Mo + V) + (Cu + Ni)$								
6	5 15								

⁽²⁾ All values shown refer to the relevant Australian Standard unless stated otherwise

⁽³⁾ This is lower than the AS/NZS 3678 maximum

MECHANICAL PROPERTIES							
Tensile Prop	orties (Transverse)			Thickness	Range (mm)		
Guaranteed Min.	Yield Strength (MPa)	280	260	250	240	230	230
	Tensile Strength (MPa)	410	410	410	410	410	410
	Elong. on 5.65 √ So (%)	22	22	22	22	22	22
Typical	Yield Strength (MPa)	290 - 480	280 - 400	260 - 370	240 - 320	230 - 310	230 - 310
	Tensile Strength (MPa)	420 - 540	420 - 500	420 - 500	430 - 490	430 - 480	430 - 480
	Elong. on 5.65 √ So (%)	23 - 45	26 - 42	26 - 40	26 - 34	25 - 34	27 - 33
Charpy Impact	Properties - Longitudinal		1	Absorbed	nergy (joule	g)	
at -15°C on	17.00	Avg. of 3	į.	7 77 74	Ind.		
Ту	pical as rolled		50 - 200			30 - 250	

	WELDA	ABILITY		
		Typica	l Group / Thickness	(mm)
		5≤(<32	32 ≤ t < 50	50 ≤t≤150
Group 4 (4)	4	1	2	3

(4) Refer to WTIA Technical Note 1 or AS/NZS 1554.1

FORMABILITY	(recommended m	HARDNESS	
t ≤ 6mm	Long 1.5T	Trans 1.0T	Typical
6 < t ≤ 10mm	Long 2.25T	Trans 1.5T	120 - 160 BHN
10 < t ≤ 20mm	Long 3.0T	Trans 2.0T	
20 < t ≤ 50mm	Long 6.0T	Trans 4.0T	
t > 50mm	Hot form		

Date Published: August 2009. The information contained in this datasheet is provided by way of general information only, and should not be relied upon by any person. You must seek specific advice as to the suitability of this product for the purpose for which, and the manner in which, you propose to use it. This may involve further independent analysis and testing. BlueScope Steel Limited and its related bodies corporate take no responsibility for any adverse consequences of any nature which arise as a result of reliance on this datasheet. These datasheets will be updated from time to time and the most up-to-date versions are available from www.xlerplato.com.au



Electronic Xlerplate Product information Book

Non-Confidential Attachment A-3.3.3

Xlerplate 350 Data Sheet



XLERPLATE® steel

DATE: AUGUST 2009

PRODUCT DESCRIPTION

• A high strength structural steel product with nominal yield strength of 350 MPa

SUPPLY CONDITIONS

- Thickness Range: 5mm 100mm (thicknesses greater than 80mm are available by enquiry)
- Availability: Plate is available in standard sizes. For sizes outside the standard plate offer refer to XLERPLATE® steel Size Schedule 2.
- · Edge Condition: Untrimmed (Mill Edge) / Trimmed
- Tolerances: AS/NZS 1365
- Ultrasonic Inspection: AS1710 available
- Surface Inspection: BlueScope Steel (third party available)
- · Certification: BlueScope Steel (third party endorsed available)

(1) Optional supply condition. May be subject to size range restrictions.

TYPICAL USES

- · General fabrication
- · Structural members
- High-rise buildings
- Bridges
- · Storage tanks

FEATURES & BENEFITS

- · Guaranteed minimum strength levels
- · Excellent weldability
- · Good formability

WARNINGS

- This material should be used in conjunction with the appropriate structural design and welding standards.
- Maximum recommended temperature for hot forming 620°C. If heated above 620°C, mechanical properties may deteriorate.
- An untrimmed (Mill) edge may contain minor surface discontinuities as a result of the rolling process (refer Clause 7 AS/NZS 3678).
 It is recommended that a minimum of 50mm be removed from each untrimmed edge.
- Where impact testing is required refer to AS/NZS 3678 350L15.

NEAREST OVERSEAS SPECIFICATIONS

ASTM A572-50 ISO 630-E355B JISG 3106-SM490A EN 10025-2-S355JR

For more information contact:

BlueScope Steel Direct

Phone: 1800 800 789

Email: steeldirect@bluescopesteel.com Website: www.xlerplate.com.au





XLERPLATE® steel

ranteed	E 11 2 4		AND THE PROPERTY OF THE PROPER		
		Typical %	Thickness (mm)		
mum % ⁽²⁾	5=1	5<1<5 % 7 8	≤1≤25 2!	5 < t ≤ 80 80 ·	< t ≤ 100 ^(a)
0.22	0.155	0.14	0.15	0.09	0.13
0.55	0.15	0.20	0.30	0.35	0.45
1.70	0.65	1.10	1.20	1.50	1.50
0.040	0.020	0.020	0.020	0.020	0.020
0.030	0.010	0.010	0.010	0.010	0.003
0.100	0.030	0.035	0.025	0.035	0.035
0.150	-	-	-	0.025	0.015
0.040	-	0.018	0.018	0.018	0.018
0.48	0.27	0.33	0.36	0.35	0.41
	0.55 1.70 0.040 0.030 0.100 0.150	0.55 0.15 1.70 0.65 0.040 0.020 0.030 0.010 0.150 - 0.040 -	0.55 0.15 0.20 1.70 0.65 1.10 0.040 0.020 0.020 0.030 0.010 0.010 0.150 - - 0.040 - 0.018	0.55 0.15 0.20 0.30 1.70 0.65 1.10 1.20 0.040 0.020 0.020 0.020 0.030 0.010 0.010 0.010 0.100 0.030 0.035 0.025 0.150 - - - 0.040 - 0.018 0.018	0.55 0.15 0.20 0.30 0.35 1.70 0.65 1.10 1.20 1.50 0.040 0.020 0.020 0.020 0.020 0.030 0.010 0.010 0.010 0.010 0.100 0.030 0.035 0.025 0.035 0.150 - - - 0.025 0.040 - 0.018 0.018 0.018

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

⁽⁴⁾ Niobium + Vanadium + Titanium ≤ 0.15%

MECHANICAL PROPERTIES								
Tensile Prop	erties (Transverse)	A COMP		12.6 C3.6 & 33.5 C1.6 C	Range (mm)			
Guaranteed Min.	Yield Strength (MPa)	360	360	350	340	340	330	
	Tensile Strength (MPa)	450	450	450	450	450	450	
	Elong. on 5.65 √ So (%)	20	20	20	20	20	20	
Typical	Yield Strength (MPa)	410 - 540	380 - 440	360 - 420	350 - 440	350 - 420	350 - 410	
	Tensile Strength (MPa)	480 - 590	470 - 550	470 - 550	470 - 550	460 - 530	500 - 550	
	Elong. on 5.65 √ So (%)	20 - 33	22 - 35	23 - 33	23 - 33	25 - 35	25 - 35	
Charpy Impa	ect Properties - Longitu	dinal	31 3	Absorbe	ed Energy (jou	las)		
at -15°C	on 10 x 10mm specime		Avg	of 3		Ind.		
- ANN AND AND AND AND AND AND AND AND AND	Typical as rolled	and the second s	50 -	200		30 - 250		

Date Published: August 2009. The information contained in this datasheet is provided by way of general information only, and should not be relied upon by any person. You must seek specific advice as to the suitability of this product for the purpose for which, and the manner in which, you propose to use it. This may involve further independent analysis and testing. BlueScope Steel Limited and its related bodies corporate take no responsibility for any adverse consequences of any nature which arise as a result of reliance on this datasheet. These datasheets will be updated from time to time and the most up-to-date versions are available from www.xlerplate.com.au



⁽²⁾ All values shown refer to the relevant Australian Standard unless stated otherwise

⁽³⁾ Additional Alloys 0.2 Ni, 0.3 Cu



XLERPLATE® steel

			WELDABILITY			
	Guaranteed		Typica	l Group / Thickne:	ss (mm)	
	Maximum	5≤1	5<1<8	8≤(≤25	25 < t ≤ 80	80 < 1 ≤ 100
Group 5 (5)	5	1	2	3	3	4

(5) Refer to WTIA Technical Note 1 or AS/NZS 1554.1

FORMABILITY	(recommended m	HARDNESS			
t ≤ 20mm	Long 3.0T	Trans 2.0T	Typical		
20 < t ≤ 25mm	Long 3.75T	Trans 2.5T	140 - 180 BHN		
t ≤ 25mm	Hot form (max 620°C)				

Xlerplate lite 250 Data Sheet



XLERPLATE LITE™ steel

DATE: AUGUST 2009

PRODUCT DESCRIPTION

Hot-rolled structural product with minimum yield strength of 250 MPa; good ductility and good weldability

SUPPLY CONDITIONS

- Thickness Range: 1.6mm 12mm (not all thickness and width combinations are available)
- · Surface finish: Hot-rolled
- Edge Condition: Untrimmed (Mill Edge) / Trimmed (1)
- Tolerances: AS1365
- · Flatness: Class A
- Certification: BlueScope Steel Analysis and Mechanical tests

(1) Optional supply condition. May be subject to size range restrictions.

TYPICAL USES

- · Structural members
- · Roll forming applications
- Brake press forming applications
- · General fabrication

FEATURES & BENEFITS

- · Guaranteed minimum strength levels
- · Excellent weldability
- · Good formability
- · Excellent for galvanising applications

WARNINGS

- This material should be used in conjunction with the appropriate design and welding standards.
- An untrimmed (Mill) edge may contain minor surface discontinuities as a result of the rolling process. It is recommended that
 customers satisfy themselves that the edge is suitable for the application.

NEAREST OVERSEAS SPECIFICATIONS

For more information contact:

BlueScope Steel Direct

Phone: 1800 800 789

Email: steeldirect@bluescopesteel.com Website: www.xlerplate.com.au





XLERPLATE LITE™ stee!

	CHEMICAL COMPOSITION			
Element	Guaranteed Maximum % ^(a)	Typic	al. 76 2 999 - 5 6 - 8 0mm	
Carbon	0.20	0.10	0.15	0.15
Silicon	0.03 (4)	0.01	0.01	0.01
Manganese	1.20	0.45	0.75	1.00
Phosphorus	0.040	0.015	0.015	0.015
Sulfur	0.030	0.010	0.010	0.010
Aluminium	0.10	0.030	0.030	0.030
CEQ (IIW) ⁽²⁾	0.39	0.18	0.28	0.32

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

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

(4) Values shown refer to the BlueScope Steel internal standard, where the AS/NZS 1594 guaranteed maximum % is 0.35.

MECHANICAL PROPERTIES			
Tensile Properties (Longitudinal)	Guaranteed Minimum	Typical	
Yield Strength (MPa)	250	270 - 350	
Tensile Strength (MPa)	350	380 - 450	
Elong. (%)			
3mm (on 80mm GL)	20	27 - 35	
> 3mm (on 200mm GL)	17	27 - 35	
180° Bend (Transverse)			
5mm	1t	1t	
> 5mm	2 t	1t	

		DIMENSI	ons		
	11 (11 (11 (11 (11 (11 (11 (11 (11 (11		and the second	Weight and	Range ⁽²⁾ (non)
910 - 1800		1.6 - 1	2	1200	mm - 9000mm

(5) Not all thickness and width combinations are available

FABRICATING PERFORMANCE

Bending Good

Roll forming Good

Galvanising Excellent

Welding WTIA Group 3 (6)

(6) Refer to WTIA Technical Note 1 or AS/NZS 1554.1

Date Published: August 2009. The information contained in this datasheet is provided by way of general information only, and should not be relied upon by any person.

You must seek specific advice as to the suitability of this product for the purpose for which, and the manner in which, you propose to use it. This may involve further independent analysis and testing. BlueScope Steel Limited and its related bodies corporate take no responsibility for any adverse consequences of any nature which arise as a result of reliance on this datasheet. These datasheets will be updated from time to time and the most up-to-date versions are available from www.xlerplate.com.au



Xlerplate lite 350 Data Sheet



XLERPLATE LITE™ steel

DATE: AUGUST 2009

PRODUCT DESCRIPTION

. Hot-rolled structural product with minimum yield strength of 350 MPa, good ductility and good weldability

SUPPLY CONDITIONS

- Thickness Range: 1.3mm 8mm (not all thickness and width combinations are available). Other thicknesses may be available by enquiry.
- · Surface finish: Hot-rolled
- Edge Condition: Untrimmed (Mill Edge) / Trimmed (1)
- Tolerances: AS1365Flatness: Class A
- · Certification: BlueScope Steel Analysis and Mechanical tests

(1) Optional supply condition. May be subject to size range restrictions.

TYPICAL USES

- Structural members
- . Roll forming applications
- Brake press forming applications
- · Galvanising applications

FEATURES & BENEFITS

- · Guaranteed minimum strength levels
- · Excellent weldability
- · Good formability
- · Excellent for galvanising applications

WARNINGS

- This material should be used in conjunction with the appropriate design and welding standards.
- An untrimmed (Mill) edge may contain minor surface discontinuities as a result of the rolling process. It is recommended that customers satisfy themselves that the edge is suitable for the application.

NEAREST OVERSEAS SPECIFICATIONS

ASTM A 572 Grade 50

For more information contact:

BlueScope Steel Direct

Phone: 1800 800 789

Email: steeldirect@bluescopesteel.com Website: www.xlerplate.com.au





XLERPLATE LITE™ steel

	CHEMICAL COMPOSITION		
Element	Guaranteed Maximum % ⁽⁹⁾	Typical %	
		≥3.55	> 5.5 - 8
Carbon	0.20	0.09	0.08
Silicon	0.030 (4)	0.01	0.01
Manganese	1.60	0.55	1.30
Phosphorus	0.040	0.015	0.015
Sulfur	0.030	0.010	0.010
Aluminium	0.10	0.030	0.030
Micro Alloy (Niobium)	0.15	0.030	0.018
CEQ (IIW)(2)	0.44	0.19	_

(2) CEQ (IIW) = C + Mn + (Cr+Mo+V) + (Cu+Ni)6

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

 $\{4\}$ Values shown refer to the BlueScope Steel internal standard, where the AS/NZS 1594 guaranteed maximum % is 0.35.

MECHANICAL PROPERTIES			
Tensile Properties (Longitudinal)	Guaranteed Minimum	Typical	
Yield Strength (MPa)	350	400 - 480	
Tensile Strength (MPa)	430	480 - 560	
Elong. (%)			
> 3mm (on 200mm GL)	15	19 - 26	
180° Bend (Transverse)			
5mm	2t	1t	
> 5mm	3t	1t	

	DIMENSIONS	
Width Range ⁽⁵⁾ (mm)	Thickness Range ⁽⁵⁾ (mm)	Length Range [©] (mm)
1200 and 1500mm only	3 - 8	1200mm - 9000mm

(5) Not all thickness and width combinations are available

FABRICATING PERFORMANCE

Bending Good Roll forming Good Galvanising Excellent WTIA Group 4 (6) Welding

(6) Refer to WTIA Technical Note 1 or AS/NZS 1554.1

Date Published: August 2008. The information contained in this datasheet is provided by way of general information only, and should not be relied upon by any person. You must seek specific advice as to the suitability of this product for the purpose for which, and the manner in which, you propose to use it. This may involve further independent analysis and testing. BlueScope Steel Limited and its related bodies corporate take no responsibility for any adverse consequences of any nature which arise as a result of reliance on this datasheet. These datasheets will be updated from time to time and the most up-to-date versions are available from www.xlerplate.com.au



