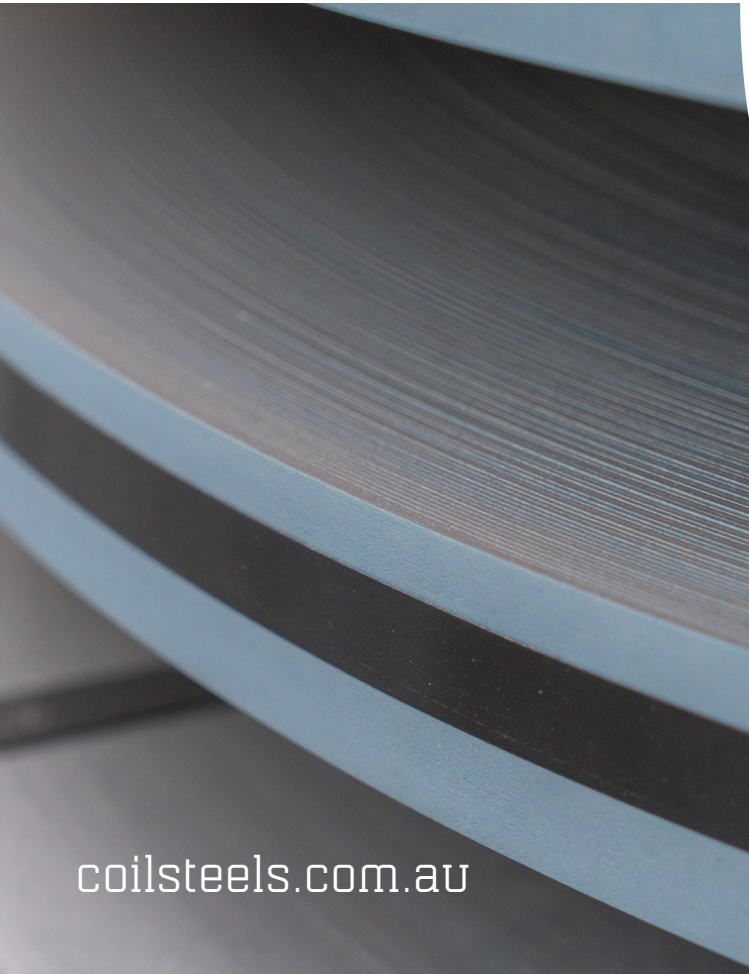
CoilSteels

Product Catalogue

Edition 1



coilsteels.com.au

Our Mission

To be Australia's market leading customer focused sheet and coil distribution business.

How We Work

We create agile steel supply partnerships with our customers, that enable them to be more efficient, responsive, and competitive in their chosen markets.

Our Values

Responsiveness

We understand what matters to our customers, and we act on it, because delivering on our commitments is fundamental to who we are as a leading independent steel distributor.

Dedication

We are dedicated to our industry, and we demonstrate it by continuing to invest in our network, our capability, and our people to better serve our customers.

Empowerment

Our people are empowered to make decisions, which in turn provides our customers with agility, certainty, and excellence in customer service. We are accessible to our customers, always.

Integrity

With all our decisions and actions our team upholds the highest standards of integrity. We are accountable for delivering on our customer commitments.

Growth

We value our people, encourage their personal development, and support their growth. Creating a supportive and open environment, filling it with talented people, and then empowering them to do what they do best.

Coil Steels

Coil Steels is a leading, independent steel sheet and coil distribution business. We prioritise our customers and strive to provide them with a wide range of sheet and coil products and value-added services to match. To further enhance our steel service, we invest in our stockholdings and advanced steel processing capabilities, ensuring our customers can order the steel sheet and coil products required for their projects.

Material quality, steel processing capability, traceability and certification are all just part of how we do business. We are ISO9001 certified. We understand empowering our knowledgeable teams to think creatively and remain agile delivers excellence in steel supply for our customers. This customer-first focus is what makes us different at Coil Steels.

We service a diverse range of key industries, such as manufacturing, building, transport and leisure, engineering, construction, infrastructure, renewable energy, defence, and agriculture. Providing tailored services that suit our customers' businesses, our team has the local market knowledge matched with the range of steel sheet and coil products through our strong supplier network, to deliver on our customers' specific requirements.

Coil Steels has an extensive footprint, with sites in New South Wales, Queensland, and Victoria, making it easy for customers to source their steel Australia-wide. Through our sister companies at United Steel, GAM Steel, and Calibre Steel our teams can also assist customers with a wide range of additional steel products.

United Steel Group

We work closely with the United Steel group of businesses including:

UnitedSteel CALIBRE STEEL GAM STEEL SERVICE

This involves access to the following products and processing services:

- Structural Steel
- Merchant Bar
- Pipe & Tube
- Plate and Building Products
- Bandsaws
- Beamlines with high-speed drilling and saw capacity
- Coping Robots with plasma notching & slotting capabilities
- Cambering machine

We have distributor agreements with BlueScope, complemented by excellent international supply.



Extensive Coverage

We have sites in Melbourne, Sydney, and Brisbane, making it easy for customers to source their steel.



Our Core Capabilities

We understand taking the time to thoroughly understand our customers' needs means we are well placed to offer the best solutions that deliver the right outcomes. Collaborating with our customers uncovers opportunities for us to continue to improve our services and provides our customers a steel supply partner who focuses on what matters to them.

Our Core Capabilities comprise:



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Quality Management

Complying with the ISO 9001 quality management system demonstrates our company's commitment to delivering quality sheet and coil standard products, customer satisfaction, and continuous improvement. It provides our customers with confidence in our ability to meet their needs, enhance operational efficiency, manage risks effectively, and consistently deliver sheet and coil products and services of the highest standards. As part of an addition to that standard we also consider the effect of climate change in all we do.

To complement our BlueScope manufactured sheet and coil product range we also carry a wide range of high-quality, imported steel products that are not readily available from other sources. All of these products are certified to comply with Australian specifications and quality standards.

Certified System™
Quality
ISO 9001
SAI GLOBAL

Complying with the ISO 9001 quality management system standard brings several benefits to our customers:

1 Enhanced Quality

ISO 9001 sets rigorous standards for quality management, ensuring that we have effective processes in place to consistently deliver high-quality sheet and coil products. By complying with these standards, our customers can expect products that meet their expectations in terms of performance, reliability, and durability.

2 Customer Satisfaction

ISO 9001 emphasises customer focus and requires Coil Steels to identify and address customer requirements. By complying with these requirements, we aim to enhance customer satisfaction by delivering sheet and coil products that meet specifications, providing excellent service, and resolving any issues or complaints effectively and promptly.

3 Improved Processes

ISO 9001 encourages Coils Steels to continuously improve our processes and operations. Through regular reviews, audits, and evaluations, we aim to identify areas for improvement, implement corrective actions, and optimise our processes to enhance efficiency, productivity, and overall performance. This leads to better sheet and coil products, shorter lead times, and more streamlined operations, ultimately benefiting our customers.

4 Risk Management

ISO 9001 emphasises the identification, assessment, and mitigation of risks within Coil Steels. By complying with this standard, we can proactively manage risks that may impact product quality, delivery schedules, and customer satisfaction. This helps to minimise disruptions, avoid costly errors, and ensure a smooth and reliable supply of products to our customers.

5 Continuous Improvement

ISO 9001 promotes a culture of continuous improvement, encouraging Coil Steels to strive for excellence and constantly seek ways to enhance our processes and performance. By complying with this standard, we commit to ongoing evaluation, learning, and refinement, leading to long-term improvements in product quality, customer satisfaction, and overall business success.

Overall, complying with the ISO 9001 quality management system demonstrates our company's commitment to delivering quality sheet and coil products and services.

Coil steels is a proud member of:

NASH
NATIONAL ASSOCIATION OF STEEL-FRAMED HOUSING INC.

AUSTRALIAN STEEL INSTITUTE
MEMBER
2025-2026

Certification

Test certificates

The steel supplied by BlueScope is certified to the steel grade originally ordered. Many products are tested and certified on the basis of batch testing, where a particular coil from a group of coils is tested. If an application requires testing of each coil in a batch, this can be done if requested when the order is placed. The identity of the product should be verified against the order information and test certificate as soon as practicable after delivery.

Environmental Product Declarations

Coil Steels is committed to sustainable steel sourcing, with a range of products backed by BlueScope's Environmental Product Declarations (EPDs). These declarations provide transparent information about the environmental impact of steel products, ensuring customers receive materials that meet industry standards for sustainability and environmental performance. To learn more, visit our technical library.

Sheet & Coil Processing

We can deliver custom-cut and processed sheet and coil products, allowing our customers to further transform these materials into a wide range of finished products. Whether it's precision cutting, shaping, or other processing requirements, we have the expertise and resources to meet your specific needs and support your manufacturing processes effectively.

Coil Steels can then perform slitting, shearing, and recoiling processes to tailor the coils to the specific sizes required by our customers, aligning with their unique manufacturing needs.

Slitting Capabilities

QLD: Thickness 0.3mm-6mm up to 1800mm wide coil

NSW: Thickness 0.3mm-3.2mm up to 1260mm wide coil

VIC: Thickness 0.3mm-6mm up to 1830mm wide coil

Shearing Capabilities

QLD: Thickness 0.4mm-3mm up to 1500mm wide coil

NSW: Thickness 0.3mm-3mm up to 1260mm wide coil

VIC: Thickness 0.4mm-6mm up to 1830mm wide coil

Recoiling Capabilities

Correctly tensioned recoils are vital for maximising efficiencies in manufacturing lines. Recoiling services by Coil Steels are best in class. We pride ourselves on supplying bookend finish recoils, tensioned correctly to provide round recoils, calibrated to increase material efficiency.



Truecore®

CoilSteels

TRUECORE® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the TRUECORE® steel range and can provide the supply and processing needed to suit your steel framing manufacturing requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

TRUECORE® G550 steel with Activate® technology	
General Description	TRUECORE® steel G550 with Activate® technology is a hot-dipped aluminium/zinc/magnesium alloy-coated structural steel with a guaranteed minimum yield strength of 550MPa, manufactured using a blue tinted resin with AM150 coating. It is designed for the residential house and commercial framing markets.
Australian & International Standards	AS/NZS 1365:1996 (R2016) AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Structural residential house framing, structural commercial framing.
Thickness Range (mm)	0.42 - 1.00
Width (mm)	Slit coil as required.
Key Benefits	TRUECORE® steel's high strength-to-weight ratio and formability offer design flexibility. It allows architects and engineers to create innovative and efficient structures, utilising their lightweight nature while maintaining structural integrity. This flexibility enables cost-effective design solutions, reduces material usage, and allows for creative architectural expressions.

TRUECORE® G500 steel with Activate® technology	
General Description	TRUECORE® steel G500 with Activate® technology is a hot-dipped aluminium/zinc/magnesium alloy-coated structural steel with a guaranteed minimum yield strength of 500MPa, manufactured using a blue tinted resin with AM150 coating. It is designed for the residential house and commercial framing markets.
Australian & International Standards	AS/NZS 1365:1996 (R2016) AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Structural residential house framing, structural commercial framing.
Thickness Range (mm)	1.15 - 1.20
Width (mm)	Slit coil as required.
Key Benefits	TRUECORE® steel exhibits excellent formability and workability, allowing for easy fabrication, shaping and installation. This versatility makes TRUECORE® steel suitable for various framing applications.

TRUECORE® G450 steel with Activate® technology	
General Description	TRUECORE® steel G450 with Activate® technology is a hot-dipped aluminium/zinc/magnesium alloy-coated structural steel with a guaranteed minimum yield strength of 450MPa, manufactured using a blue tinted resin with AM150 coating. It is designed for the residential house and commercial framing markets.
Australian & International Standards	AS/NZS 1365:1996 (R2016) AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Structural residential house framing, structural commercial framing.
Thickness Range (mm)	1.50 - 1.60
Width (mm)	Slit coil as required.
Key Benefits	TRUECORE® steel is manufactured using advanced steel technology, resulting in a high-strength material with a low weight-to-strength ratio. Offering excellent structural integrity while being lighter compared to traditional steel makes TRUECORE® steel advantageous for applications where weight reduction is desired without compromising strength.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

COLORBOND® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the COLORBOND® steel range and can provide the supply and processing needed to suit your requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

COLORBOND® steel	
General Description	Made by BlueScope to provide a high quality and durable steel for wall cladding and roofing applications for the residential, semi-residential and commercial construction markets.
Grades, Australian & International Standards	Substrate - AS 1397:2021 Paint Coating - AS/NZS 2728:2013 Type 4 ISO 9001:2015 Quality System certified
Applications	Residential, semi-residential, and commercial construction markets.
Thickness Range (mm)	0.30 - 1.20
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	CORSTRIP® protective film available (standard on 0.55 x 1200mm). COLORBOND® steel is manufactured using Substrate AS 1397 and Paint Coating AS/NZS 2728 Type 4, resulting in a high-strength material with durability and the aesthetics to match.

COLORBOND® Ultra steel	
General Description	Made by BlueScope to provide a high quality and durable steel for wall cladding and roofing applications for the residential, semi-residential and commercial construction markets – delivers exceptional corrosion resistance.
Grades, Australian & International Standards	Substrate AS 1397 Paint Coating AS/NZS 2728 Type 4 AM150 steel with Activate® technology ISO 9001:2015 Quality System certified
Applications	Applications requiring excellent corrosion resistance and long-term durability. COLORBOND® Ultra steel is best applied to marine and industrial applications.
Thickness Range (mm)	0.40 - 1.00
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request (Slit Coils - All sizes slit by request)
Key Benefits	CORSTRIP® protective film available (standard on 0.55 x 1200mm). COLORBOND® Ultra steel is manufactured using ZINCALUME® G550S, AM150 steel with Activate® technology ZINCALUME® G300S, AM150 steel with Activate® technology, resulting in a corrosion resistant material with durability and the aesthetics to match.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

COLORBOND® Coolmax® steel	
General Description	Made by BlueScope to provide a high quality, durable and solar reflecting steel to achieve the best benefit from cost effective and durable thermal performance.
Grades, Australian & International Standards	Substrate AS 1397 Paint Coating AS/NZS 2728 Type 4 AM100 G550S / G300S steel with Activate® technology ISO 9001:2015 Quality System certified
Applications	Applications requiring thermal performance and long-term durability. COLORBOND® Coolmax® steel is best applied residential. semi-residential and commercial applications.
Thickness Range (mm)	0.42 - 0.55
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	CORSTRIP® protective film may be available on request. COLORBOND® Coolmax® steel is best applied residential. semi-residential and commercial applications requiring thermal performance with the cost effectiveness to match.

COLORBOND® Metallic steel	
General Description	Made by BlueScope to provide a high quality, durable and metallic finish for wall cladding and roofing applications for the residential, semi-residential and commercial construction markets.
Grades, Australian & International Standards	Substrate AS 1397 Paint Coating AS/NZS 2728 Type 4 AM100 G550S / G300S steel with Activate® technology ISO 9001:2015 Quality System certified
Applications	Residential, semi-residential, and commercial construction markets.
Thickness Range (mm)	0.42 - 1.20
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	CORSTRIP® protective film may be available on request. COLORBOND® Metallic steel is manufactured using ZINCALUME® G550S, AM100 steel with Activate® technology ZINCALUME® G300S, and AM100 steel with Activate® technology, resulting in a high-strength material with durability and the metallic finish to match.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

COLORBOND® steel Matt	
General Description	Made by BlueScope to provide a high quality and durable steel with a subtle aesthetic for wall cladding and roofing applications for the residential, semi-residential and commercial construction markets.
Grades, Australian & International Standards	Substrate AS 1397 Paint Coating AS/NZS 2728 Type 4 AM100 steel with Activate® technology ISO 9001:2015 Quality System certified
Applications	Applications requiring excellent high quality, long-term durability and a subtle aesthetic. COLORBOND® steel Matt is best applied to high-end residential, semi-residential and commercial projects.
Thickness Range (mm)	0.50 - 1.20
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	CORSTRIP® protective film may be available on request. COLORBOND® steel Matt is manufactured using ZINCALUME® G550S, AM100 steel with Activate® technology ZINCALUME® G300S, AM100 steel with Activate® technology, resulting in a high quality, durable material with the aesthetics to match.

COLORBOND® steel (sign writing applications)	
General Description	Made by BlueScope to provide a durable mar resistant, high gloss product with superior over-paint ability for sign writing applications.
Grades, Australian & International Standards	Substrate AS 1397 Paint Coating AS/NZS 2728 Type 4 AM100 steel with Activate® technology ISO 9001:2015 Quality System certified
Applications	Applications requiring thermal performance and long-term durability. COLORBOND® steel (Sign writing) steel is best applied for sign writing applications.
Thickness Range (mm)	0.5 - 1.20
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	COLORBOND® steel Sign Writing is best applied to the sign writing industry delivering a high quality, durable, mar resistant, and high gloss product with superior over-paint ability.

AQUAPLATE® steel	
General Description	Made by BlueScope to provide a high quality, durable and galvanised laminated steel product with to meet the stringent quality requirements for the storage of drinking water.
Grades, Australian & International Standards	Substrate - AS 1397:2021 Z275 G300S steel (painted or double-sided laminate) and Z450 G300S steel AS/NZS 4020:2018 ISO 9001:2015 Quality System certified
Applications	For the storage of drinking water – water storage industry.
Thickness Range (mm)	0.60
Width (mm)	735 to 1200
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Aquaplate is available with double-sided laminate for water tank bases or single-sided laminate with Galseal (unpainted) or COLORBOND® steel on one side for tank walling applications.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Zincalume®

CoilSteels

ZINCALUME® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the ZINCALUME® steel range and can provide the supply and processing needed to suit your requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

ZINCALUME® G300 steel and ZINCALUME® G300S steel	
General Description	Made by BlueScope to provide a high quality and durable G300 / G300S steel. Hot-dipped zinc/aluminium alloy-coated structural steel with a regular spangled surface and guaranteed minimum yield strength of 300 Mpa. Suitable for roll forming to an internal diameter of 1 tonne.
Grades, Australian & International Standards	G300 and G300S steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, ZINCALUME® G300 steel is used in rainwater goods and garden shed manufacturing; ZINCALUME® G300S steel is used in rainwater goods, garage doors, and signage manufacturing.
Thickness Range (mm)	0.30 - 1.20
Width (mm)	1200 - standard (wide coil or slit as required)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Surface finish spangled passivated/resin coated. ZINCALUME® G300 steel delivers a high-quality, durable and formable material used in house framing, rainwater goods and garden shed manufacturing; ZINCALUME® G300S steel is used in rainwater goods, garage doors, and signage manufacturing.

ZINCALUME® G550 steel with Activate technology G550	
General Description	Made by BlueScope to provide a high quality and durable G550 steel. ZINCALUME® steel with Activate® technology G550 is a hot-dipped aluminium/zinc/magnesium alloy-coated structural steel with a regular spangle surface, a guaranteed minimum yield strength of 550MPa with limited ductility.
Grades, Australian & International Standards	G550 steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, ZINCALUME® G550 steel is used in house framing, rainwater goods and garden shed manufacturing; ZINCALUME® G550 steel is used in rainwater goods, garage doors, and signage manufacturing.
Thickness Range (mm)	0.30 - 1.00
Width (mm)	Wide coil or slit as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	ZINCALUME® G550 steel with Activate® technology delivers a high-quality, durable and formable material used in house framing, rainwater goods and garden shed manufacturing; ZINCALUME® G550 steel is used in rainwater goods, garage doors, and signage manufacturing.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Zincanneal®

CoilSteels

ZINCANNEAL® steel Supplied and Processed by Coil Steels
Our team at Coil Steels is experienced in the ZINCANNEAL® steel range and can provide the supply and processing needed to suit your requirements.
Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

ZINCANNEAL® C3NS and ZINCANNEAL® G2S steel	
General Description	Made by BlueScope ZINCANNEAL® C3NS is a matt hot-dipped zinc/iron alloy-coated drawing steel guaranteed with non-ageing and free from stretcher strain qualities. Some powdering of the coating may occur with severe deformation. G2S is a matt hot-dipped zinc/iron alloy-coated commercial forming steel with skin passed smooth surfaces suitable for direct-on painting. Some powdering of the coating may also occur with severe deformation.
Grades, Australian & International Standards	C3NS and G2S steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, ZINCANNEAL® steel is widely used in non-exposed painted panels, washing machines, acoustic ceiling tiles, and washing machines.
Thickness Range (mm)	0.60 - 1.60 for C3NS and 0.50 - 2.00 for G2S
Width (mm)	900/915/1200/1220 - standard (wide coil or slit as required)
Sheet Length (mm)	1800/2400/3600 All non standard lengths cut on request (Slit Coils - All sizes slit by request)
Key Benefits	Surface finish smooth matt phosphated. Optional: unphosphated/oiled. (Optional conditions may be subject to dimensional restrictions). ZINCANNEAL® steel is widely used in non-exposed painted panels, washing machines, acoustic ceiling tiles, and washing machines.

Zinc Hi-ten®

ZINC HI-TEN® steel Supplied and Processed by Coil Steels
Our team at Coil Steels is experienced in the ZINC HI-TEN® steel range and can provide the supply and processing needed to suit your requirements.
Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

ZINC HI-TEN® G500 and ZINC HI-TEN® G550 / G550S steel	
General Description	Made by BlueScope to provide a high quality and durable steel ZINC HI-TEN® is a hot-dipped zinc coated structural steel with a spangled surface and guaranteed minimum yield strength of 500 / 550 Mpa. Suitable for roll forming to a 4 tonnes minimum internal diameter under appropriate conditions. ZINC HI-TEN® steel is skin passed to improve surface quality.
Grades, Australian & International Standards	G500, G550 and G550S steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, ZINCANNEAL® steel is widely used in roll formed decking, walling, fencing posts, rails, structural sections and house framing applications.
Thickness Range (mm)	0.35 - 1.00 for G550 and 1.00 - 1.499 for G500/G500S
Width (mm)	Wide coil or slit as required. (note only there is no standard wide coil)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Surface finish spangle for G500 and Surface finish spangled passivated for G550/G550S. Optional: minimal spangle. (Optional conditions may be subject to dimensional restrictions)

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Zincform®

CoilSteels

ZINCFORM® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the ZINCFORM® steel range and can provide the supply and processing needed to suit your requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

ZINCFORM® G300/G300S and ZINCFORM® G350 steel	
General Description	Made by BlueScope to provide a high quality and durable G300S / G300S is a hot-dipped zinc coated structural steel with a spangled surface and guaranteed minimum yield strength of 300Mpa, with good ductility. Suitable for roll forming to an internal diameter of 1 tonne minimum. G300S steel is a skin passed steel for improved surface quality. Only available up to 1.6mm thick. G350 is a hot-dipped zinc coated structural steel with a spangled surface and guaranteed minimum yield strength of 350Mpa, with good ductility. Suitable for roll forming to a minimum internal diameter of 2 tonnes.
Grades, Australian & International Standards	G300/G300S and G350 steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, ZINCFORM® steel is widely used in roll formed structural applications.
Thickness Range (mm)	0.30 - 2.90 for G300/G300S and 0.40 - 2.90 for G350
Width (mm)	Wide coil or slit as required. (note only there is no standard wide coil)
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Surface finish spangled passivated. Optional: minimal spangle (optional conditions may be subject to dimensional restrictions). ZINCFORM® steel is widely used in roll formed structural applications.

Galvabond®

GALVABOND® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the GALVABOND® steel range and can provide the supply and processing needed to suit your requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

GALVABOND® G2 steel and GALVABOND® G2S steel	
General Description	Made by BlueScope to provide a high quality and durable hot-dipped zinc coated with Z275 coating as standard (Z450 and Z600 available upon application) for commercial forming steel with a spangled surface, suitable for general manufacturing.
Grades, Australian & International Standards	G2 and G2S steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, GALVABOND® G2 and G2S steel is best applied to diverse manufacturing applications including air-conditioning duct manufacturing, panelling, meter boxes, trailers, scaffolding planks and tube applications.
Thickness Range (mm)	0.30 - 3.20
Width (mm)	1220, 1500, 1525 - standard (wide coil or slit as required)
Sheet Length (mm)	Various sizes available - refer to Sheet Tables. All non standard lengths cut on request.
Key Benefits	Surface finish spangled. Optional: minimal spangle passivated, unpassivated, oiled. (Optional conditions may be subject to dimensional restrictions). GALVABOND® G2 and G2S steel is best applied to diverse manufacturing applications.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Galvaspan®

CoilSteels

GALVASPAN® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the GALVASPAN® steel range and can provide the supply and processing needed to suit your requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

GALVASPAN® G450 steel and GALVASPAN® G500 steel	
General Description	Made by BlueScope to provide a high quality and durable hot-dipped zinc coated structural steel with a spangled surface and guaranteed minimum yield strength of 450 and 500 Mpa with a Z350 coating as standard. Suitable for roll forming to a minimum internal diameter of 4 tonnes.
Grades, Australian & International Standards	G450 and G500 steel AS/NZS 1365:1996 AS 1397:2021 ISO 9001:2015 Quality System certified
Applications	Applications requiring long-term durability and high-quality steel, GALVASPAN® G450 and G500 steel is best applied to roll forming applications used in all types of industries from residential construction to commercial and industrial.
Thickness Range (mm)	1.0 - 1.499 for G500 and 1.5 to 3.2 for G450
Width (mm)	Wide coil or slit as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Surface finish spangled passivated. GALVASPAN® G450 and G500 steel is best applied to roll forming applications used in all types of industries from residential construction to commercial and industrial.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

TruSpec®

CoilSteels

TRU-SPEC® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the TRUSPEC® steel range and can provide the supply and processing needed to suit your requirements.

TRU-SPEC® steel	
General Description	TRUSPEC® steel is a coil plate, hot rolled structural product with a minimum yield strength of 200 MPa, good ductility and excellent weldability. Stretch-levelled to remove internal stresses and for excellent flatness.
Grades, Australian & International Standards	Available in HA200, HA250, HA250 Floorplate, HA300, and HA350 grades. Also available in formable grade HA1 and analysis grade HK1042. AS/NZS 1594:2002 (R2016) AS/NZS 1365:1996 (R2016) ISO 9001:2015 Quality System certified
Applications	Applications such as light structural members, brake press forming applications, light poles, trailer and automotive components, general fabrication and galvanising applications.
Thickness Range (mm)	3.00 - 16.00
Max Width (mm)	Up to 1550
Max Length (mm)	Up to 12000
Key Benefits	Designed with laser-profiling in mind, TRU-SPEC® steel is rolled as coil on the BlueScope hot strip mill and then cut-to-length using stretch-levelling technology to remove shape defects and at the same time remove the imbalance of internal stresses. Guaranteed minimum strength levels, excellent weldability, good formability, and excellent for galvanising applications.

Grade	Thickness Range (mm)	Width Range (mm)	Length Range (m)
HA200	3.00 - 12.70	Up to 1550	1.2 - 12.0
HA250	3.00 – 16.00*	Up to 1550**	1.2 - 12.0***
HA250 Floorplate	2.10 – 8.00	900, 1200, 1500	1.2 - 12.0
HA300	3.00 - 12.70*	Up to 1550	1.2 - 12.0
HA350	3.00 - 12.70	Up to 1550**	1.2 - 12.0***
HA1	3.00 - 12.70	Up to 1550	1.2 - 12.0
HK1042	3.00 – 8.00	1400	1.2 - 12.0

Note:

- This is a guide only of stocked sizes, please confirm with your Coils Steels office.
* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand
** Up to 50mm available at some locations.
*** Up to 3000mm available at some locations.
**** Up to 9.0mm available at some locations.

RedCor®

CoilSteels

REDCOR® steel Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the REDCOR ® steel range and can provide the supply and processing needed to suit your requirements.

REDCOR® steel	
General Description	REDCOR® steel CW300A is a high phosphorous structural weathering steel with a minimum yield strength of 300MPa.
Grades, Australian & International Standards	Available in CW300A AS/NZS 1595: 1998 CW300A and AS/NZS 1594: 2002 HW350A (coil plate).
Applications	Building facades, Architectural features, Heat exchanger elements.
Key Benefits	Reduced atmospheric corrosion when used in the correct environments. Guaranteed minimum strength levels with good formability.
Warnings	This material should be used in conjunction with the appropriate structural design and welding standards. The weathering properties of this material is due to the formation of an impervious oxide layer using alloy additions. Damage to this layer, or environmental conditions affecting the development of this layer, will impact on the effectiveness of the corrosion resistance. Colour retention across welds can be achieved by appropriate electrode selection. Welds may be susceptible to hot cracking. Weathering steels are not recommended without further protection for buried or submerged situations or for applications exposed to concentrated industrial fumes or severe marine conditions. Oxide staining of surrounding areas may occur due to run-off from this material. Material should be stored under cover to avoid issues with storage related corrosion. Material should not be used for roofing applications Refer to BlueScope Technical Bulletin TB-26 for more information regarding the use of this material.

Grade	Thickness Range (mm)	Width Range (mm)	Length Range (m)
CW300A	0.7 – 2.5	1155 - 1250	
HW350A	3.0 – 10.0	1155 - 1250	2.4 – 12.0

Hot Rolled

CoilSteels

Hot Rolled Coil and Sheet Supplied and Processed by Coil Steels

Our team at Coil Steels is experienced in the hot rolled steel range and can provide the supply and processing needed to suit your requirements.

Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

Hot Rolled - BRIGHTFORM® steel	
General Description	Hot Rolled - BRIGHTFORM® steel is a commercial forming steel suitable for simple forming and bending operations. Mainly used for manufacturing applications.
Grades, Australian & International Standards	AS/NZS 1365/1996 ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as components, steel shelving, simple pressings, hidden appliance panels and distributor stock
Thickness Range (mm)	1.60 to 3.00
Width (mm)	900 - 1510 or slit as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Hot Rolled - BRIGHTFORM® steel is a pickled, skin-passed, low-carbon steel with a good surface, suitable for bending and moderate drawing and pressing.

Hot Rolled - XTRAFORM® steel	
General Description	Hot Rolled - XTRAFORM® steel is suitable for severe forming and bending, with a guaranteed minimum yield of 300 MPa. Available in 300, 400 and 500 grade options.
Grades, Australian & International Standards	AS/NZS 1594 2002 AS/NZS 1365:1996 ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, mainly automotive components.
Thickness Range (mm)	1.60 to 6.00
Width (mm)	Wide or slit coil as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Hot Rolled - XTRAFORM® steel is available as rolled. Optional pickled and oiled (conditions may be subject to dimensional restrictions).

Hot Rolled - HA1 steel	
General Description	Hot Rolled – HA1 steel is a commercial forming steel suitable for simple forming and bending operations. Mainly used for manufacturing applications.
Grades, Australian & International Standards	AS/NZS 1365/1996 ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as steel shelving, light structural members, tanks, guard rails, and furniture.
Thickness Range (mm)	1.50 to 12.70
Width (mm)	900-1550 or slit as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Hot Rolled – HA1 steel is available pickled and oiled (this is optional - conditions may be subject to dimensional restrictions).

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Hot Rolled continued

CoilSteels

Hot Rolled - HA250 steel	
General Description	Hot Rolled - HA250 steel is a structural steel with a minimum yield strength of 250 MPa with good ductility.
Grades, Australian & International Standards	AS/NZS 1594:2002 (R2016) ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as structural sections, light poles, guard rails and gas cylinders.
Thickness Range (mm)	1.60 to 12.70
Width (mm)	900-1500 or slit as required
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Hot Rolled - HA250 steel is available as rolled. Optional pickled and oiled (conditions may be subject to dimensional restrictions).

Hot Rolled - HA300 steel	
General Description	Hot Rolled - HA300 steel is a structural steel with a minimum yield strength of 300 MPa with good ductility.
Grades, Australian & International Standards	AS/NZS 1594:2002 (R2016) ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as structural sections, light poles, guard rails and automotive components.
Thickness Range (mm)	1.60 to 12.70
Width (mm)	900-1500 or slit as required
Sheet Length (mm)	1800/2400/3600/6000 All non standard lengths cut on request.
Key Benefits	Hot Rolled - HA300 steel is available in pickled and oiled (conditions may be subject to dimensional restrictions).

Hot Rolled - HA350 steel	
General Description	Hot Rolled - HA300 steel is a structural steel with a minimum yield strength of 350 MPa with good ductility.
Grades, Australian & International Standards	AS/NZS 1594:2002 (R2016) ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as structural sections, truck chassis, and gas cylinders.
Thickness Range (mm)	1.60 to 12.70
Width (mm)	1200/1500 or slit as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Hot Rolled - HA300 steel is available as rolled. Optional pickled and oiled (conditions may be subject to dimensional restrictions).

Note: BlueScope manufactured hot rolled steel products subject to mill enquiry include HA200 steel, HA1006 steel, HA1010 steel and XK15B28 steel.

Cold Rolled

CoilSteels

Cold Rolled Sheet & Coil Supplied and Processed by Coil Steels
Our team at Coil Steels is experienced in the cold rolled steel range and can provide the supply and processing needed to suit your steel framing manufacturing requirements.
Note: Widths and lengths are indicative only.* Contact your local branch for any size not listed.

Cold Rolled - CA2S-E steel	
General Description	Cold Rolled - CA2S-E steel is a skin passed commercial drawing steel for moderate forming and pressing with a surface suitable for exposed applications.
Grades, Australian & International Standards	AS/NZS 1595:1998 AS/NZS 1365:1996 (R2016) ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as office furniture and steel shelving.
Thickness Range (mm)	0.50 to 3.20
Width (mm)	900 - 1220 or slit as required.
Sheet Length (mm)	All non standard lengths cut on request.
Key Benefits	Cold Rolled - CA2S-E steel is surface finish matt oiled. Optional: lustre, not oiled trimmed edge; mill edge. (Optional conditions may be subject to dimensional restrictions).

Cold Rolled - CA3SN-G steel	
General Description	Cold Rolled - CA3SN-G steel is a skin passed deep drawing steel guaranteed non ageing and free from stretcher strain with a general-purpose surface.
Grades, Australian & International Standards	AS/NZS 1595:1998 AS/NZS 1365:1996 (R2016) ISO 9001:2015 Quality System certified
Applications	General manufacturing applications, such as non-exposed drawn parts for automotive and appliance end uses.
Thickness Range (mm)	0.60 to 3.20
Width (mm)	900 - 1550 or slit as required.
Sheet Length (mm)	1800/2400/3600/6000 All non standard lengths cut on request (Slit Coils - All sizes slit by request)
Key Benefits	Cold Rolled - CA3SN-G steel is surface finish matt oiled. Optional: not oiled trimmed edge; mill edge. (Optional conditions may be subject to dimensional restrictions).

Note: BlueScope manufactured cold rolled steel products subject to mill enquiry include CA1010H-E steel, CA180S-G® steel, CA5SN-E steel, CA85T-G steel, DRUMSTOCK® steel, CA250T-G steel, CM350-G® steel, CU200T-G steel and CV4S2 steel.

Key Notes for Coil Products:

- Widths are mill edge widths.
- Products should be used promptly (within six months) to avoid potential quality or product performance issues.
- The information contained in this product catalogue is provided by way of general information only and has not been prepared with your specific needs in mind.
- Before application in a particular situation, Coil Steels recommends that you obtain appropriate independent, expert advice confirming the suitability of the product(s) and information in question for the application proposed.
- The mass and dimension of products supplied may vary from the mass and dimensions listed to the extent of permissible mass and dimension tolerances in accordance with the relevant Australian Standards. All supplies made by Coil Steels are made subject to its standard terms and conditions of sale. For steel sheet and coil product selection input contact your local Coil Steels sales office.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Sheets Per Tonne

CoilSteels

Hot Rolled Sheet Sizes					
Thickness x Width (mm)	Length (mm)				
	1800	2400	3000	3600	6000
1.50 x 1200	39.32	29.49	23.59		
1.60 x 1200	36.86	27.65	22.12		
1.60 x 1500		22.12	17.69		
1.95 x 1200	30.00	22.12	17.69		
2.00 x 1500		17.69	14.15		
2.45 x 1200	24.07	18.05	14.44		
2.50 x 1200	23.59	17.69	14.15		
2.50 x 1500		14.15	11.32		
2.95 x 1200	19.66	14.74	11.80	9.83	5.90
2.95 x 1500	15.73	11.80	9.44		
3.00 x 900	26.21	19.66	15.73		
3.00 x 1200	19.66				

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

Hot Rolled Brightform / Pickled & Oiled Sheet Sizes				
Thickness x Width (mm)	Length (mm)			
	1830	2440	3050	3700
1.60 x 1210	35.96	27.42	221.57	17.78
2.00 x 1210	28.76	21.93	17.26	
2.50 x 1210	23.01	17.26	13.81	
2.95 x 1210	19.50	14.62	11.7	9.65
3.95 x 1210		10.92		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

Steel Plate AS1594 HA250 Sheet Sizes			
Thickness x Width (mm)	Length (mm)		
	2400	3000	6000
3.0 x 1800			3.93
4.0 x 1800			2.95
5.0 x 1800			2.36
6.0 x 1800			1.97

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Sheets Per Tonne

CoilSteels

TRU-SPEC® steel Plate AS1594 HA250 Sheet Sizes					
Thickness x Width (mm)	Length (mm)				
	2400	2440	3000	4000	6000
3.00 x 1200					
3.00 x 1220		14.27			
3.00 x 1500			9.44	7.08	4.72
4.00 x 1200	11.06		8.85		4.42
4.00 x 1500			7.08	5.31	3.54
5.00 x 1200	8.85		7.08		3.54
5.00 x 1220		8.56			
5.00 x 1500	7.08		5.66	4.25	2.83
6.00 x 1200	7.37		5.90		
6.00 x 1220		7.13			
6.00 x 1500			4.72	3.54	4.72
8.00 x 1200	5.53		4.43		
8.00 x 1220		5.35			
8.00 x 1500			3.54	2.65	
10.00 x 1200	4.43		3.54		
10.00 x 1220		4.28			
10.00 x 1500			2.83	2.12	
12.00 x 1200	3.69		2.95		
12.00 x 1220		3.57			
12.00 x 1500			2.36	1.77	
16.00 x 1200	2.765				
16.00 x 1500			1.77		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

TRU-SPEC® steel Plate AS1594 HA350 Sheet Sizes				
Thickness x Width (mm)	Length (mm)			
	2400	3000	4000	6000
4.00 x 1500		7.08		3.54
5.00 x 1500		5.66		
6.00 x 1200	7.37	5.90		
6.00 x 1500		4.72		
8.00 x 1500		3.54		
10.0 x 1500		2.83		
12.0 x 1500		2.36		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Sheets Per Tonne

CoilSteels

LaserCUT AS3678 LC250 Sheet Sizes				
Thickness x Width (mm)	Length (mm)			
	2400	3000	4000	6000
16.00 x 1500		1.77		
20.00 x 1500		1.42		
25.00 x 1500		1.13		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

LaserCUT AS3678 LC350 Sheet Sizes				
Thickness x Width (mm)	Length (mm)			
	2400	3000	4000	6000
16.00 x 1500		1.77		
20.00 x 1500		1.42		
25.00 x 1500		1.13		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

Floorplate Sheet Sizes								
Thickness x Width (mm)	Length (mm)							
	1500	1800	2100	2400	2470	2480	3000	6000
2.10 x 1200	30.05	25.04	21.47	18.78			15.02	5.44
3.00 x 1200		18.12		13.59		13.15	10.87	3.37
5.00 x 1200				8.42	8.18		6.73	2.69
5.00 x 1500							5.39	2.69
6.00 x 1200				7.07				2.26
6.00 x 1500							4.53	2.69
6.00 x 1800								1.89
8.00 x 1800				1.15				1.43
10.00 x 1800				0.96				1.16
12.00 x 1800								0.96

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Weight (kg) Per Plate

CoilSteels

Structural Plate AS3678 - 250 Sheet Sizes				
Thickness x Width (mm)	Length (mm)			
	2400	3000	6000	9000
6.0 x 2400			678.24	101.36
6.0 x 3000				1271.70
8.0 x 2400			904.32	1356.48
8.0 x 3000				1695.60
10.0 x 2400			1130.40	1695.60
10.0 x 3000				2119.50
12.0 x 2400			1356.48	2034.72
12.0 x 3000				2543.40
16.0 x 2400			1808.64	2712.96
16.0 x 3000				3391.20
20.0 x 2400			2260.80	3391.20
20.0 x 3000				4239.00
25.0 x 2400			2826.00	4239.00
25.0 x 3000				5298.75
28.0 x 2400			3165.12	
32.0 x 2400			3617.28	
40.0 x 2400			4521.60	
50.0 x 2400			5652.00	

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

Structural Plate AS3678 - 350 Sheet Sizes						
Thickness x Width (mm)	Length (mm)					
	2400	3000	6000	7600	9000	9600
5.0 x 2400			565.20		847.80	
5.0 x 3000					1059.75	
6.0 x 2400			678.24			1085.18
8.0 x 2400			904.32			1446.91
10.0 x 2400			1130.40			1808.64
12.0 x 2400			1356.48			2170.37
16.0 x 2400			1808.64			2893.82
20.0 x 2400			2260.80			3617.28
25.0 x 2400			2826.00			4521.60
32.0 x 2400						5787.65
40.0 x 2400			4521.60	5727.36		
50.0 x 2400			5652.00	7159.20		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Sheets Per Tonne

CoilSteels

Electro-Galv Sheet Sizes			
Thickness x Width (mm)	Length (mm)		
	1830	2440	3050
0.90 x 915	84.40	63.30	
0.90 x 1219	63.35	47.51	38.01
1.10 x 1219	51.85	38.89	31.11
1.50 x 1219	38.03	28.53	22.82
1.90 x 1219	30.03	22.52	18.02

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

GALVABOND® steel G2 Z275 Sheet Sizes								
Thickness x Width (mm)	Length (mm)							
	1800	1830	2400	2440	3000	3050	3660	3700
0.40 x 1220		130.59	99.57	97.94				
0.55 x 1220		97.21	74.12	72.91	59.3	58.33		
0.55 x 1500		79.07	60.29	59.3	48.23	47.44		
0.60 x 1525				53.75		43.00		
0.70 x 1220				58.07				
0.75 X 915				77.43				
0.75 X 1220			55.28		44.23			
0.75 x 1500			44.96	47.23	35.97	35.38		
0.80 x 1525				40.9		32.72		
0.90 x 915		81.20		60.9				
0.90 x 1220		60.9	46.44	45.67	37.15	36.54		
0.95 x 1500				35.27	28.68	28.21		
1.00 x 1525				33.02		26.41		
1.10 x 1220		50.19	38.27	37.64		3.11		
1.15 x 1220			36.65					
1.15 x 1500			29.81	29.32	23.85	24.49		
1.20 x 1525				27.68		22.14		
1.50 x 915		49.50		37.12				
1.50 x 1220	37.74	37.12	28.31	27.84	22.65	22.27		
1.55 x 1500			22.3		17.84			
1.60 x 1525				20.91		16.73		
1.90 x 1220		29.46	22.46	22.09	17.97	17.67	14.73	
2.40 x 1220		23.41	17.85	17.56	14.28			11.71
2.90 x 1220	19.10	19.43	14.33	14.57	11.46	11.66		
2.95 x 1500			11.65		9.32			

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Sheets Per Tonne

CoilSteels

ZINCALUME® steel G300 AM125 Sheet Sizes				
Thickness x Width (mm)	Length (mm)			
	2400	2440	2700	3000
0.55 x 1200	77.38			61.90
0.75 x 1200	57.33			45.86
1.00 x 1200	43.29		38.48	34.64

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

ZINCANNEAL® steel G2S ZF100 Sheet Sizes							
Thickness x Width (mm)	Length (mm)						
	1830	2100	2400	2440	3000	3050	3660
0.55 x 1220				75.53			
0.70 x 1220				59.72			
0.75 x 1220			56.76		45.4		
0.90 x 1220	62.25			46.69		37.35	
0.95 x 1200			45.76		37.97		
1.10 x 1220	51.10			38.33		30.66	
1.15 x 1220			37.20		29.84		
1.50 x 1220	37.62		28.70	28.22	22.96	22.57	
1.50 x 1500			23.34		18.67		
1.50 x 915	50.16			37.12			
1.90 x 915	39.69			29.77			
1.90 x 1220	29.77	25.94	22.70	22.33		17.86	
1.90 x 1500			18.46		14.77		

Note: The range of sizes values are indicative.* Please contact your local branch for any size not listed.

* Subject to mass and dimensional tolerances of the manufacturer and/or in the relevant Standand

Sheet & Coil product tolerances

CoilSteels

Dimensional tolerances:
The term dimensional tolerance refers to the permissible variation from a specified dimension of product. The degree of accuracy which may be expected will depend on whether the product is hot or cold rolled, the type of rolling mill equipment used, unavoidable operating contingencies, the specified size or edge condition, and in some cases the steel composition. The following tables show either the specified BlueScope or appropriate Australian Standard product tolerances.

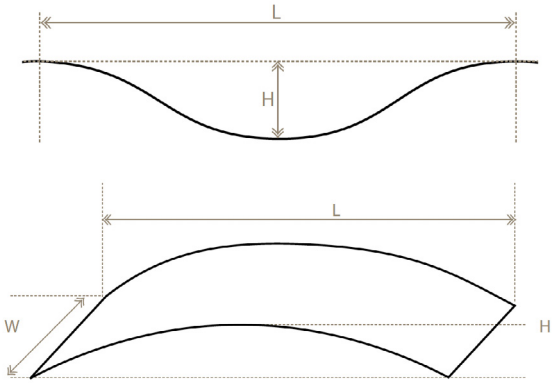
Coated And Uncoated Flat Products

Measurement of Flatness | AS/NZS 1365:1996

Flatness has traditionally been a product feature which is hard to quantify. The flatness is measured on the product under its own weight resting on a flat surface so that any deviation from the flat surface can be observed. The straight-edge may be placed in any direction. Only the portion between the two points of contact is taken into consideration.

Figure 1 - Measurement of Flatness

W=width, L=length, H=deviation



Measurement of Steepness Ratio | Alternative for expressing flatness

Steepness ratio is calculated by measuring H and L, as shown in Figure 1 for the product resting under its own weight on a flat horizontal surface with the deviation to be measured facing upwards.

Steepness ratio = H/L x 100

Measurement of Edge Camber | AS/NZS 1365:1996

Camber is the lateral departure of the edge of sheet or strip from a straight line forming a chord.

When sheet or strip is laid on a flat horizontal surface and straight-edge placed at the concave side edge, the maximum distance between the side edge and the straight-edge is the camber (see Figure 2).

Camber can also be measured by placing adjacent sheets or pieces of the same length of strip with concave edges together (see Figure 3). Actual camber is one half of the maximum distance between the two edges. Camber is a measured value divided by length, expressed as a percentage.

Figure 2 - Measurement of camber

W=width, L=length, H=deviation

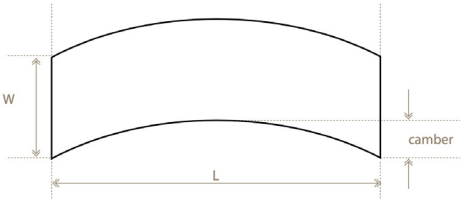
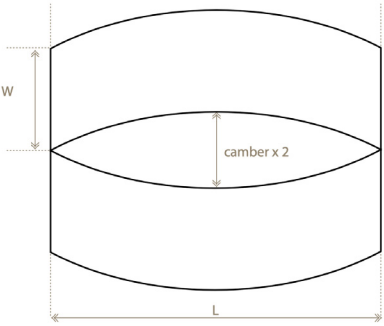


Figure 3 - Measurement of camber using two lengths

W=width, L=length, H=deviation

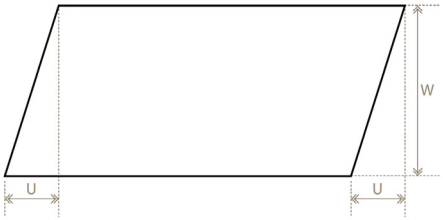


Measurement of Out-of-Square | AS/NZS 1365:1996

The deviation from squareness of a length cut from trimmed-edge steel strip is measured by scribing a line normal to the trimmed edge adjacent to the cut. The out-of-square is expressed as a percentage of the measured value of deviation from square divided by the nominal width (see Figure 4).

Figure 4 - Measurement of out-of-square

W=nominal width, U=deviation from square



Note: Out-of-squareness is expressed as U/W x 100%

Hot Rolled Sheet and Coil

Thickness Tolerances | AS/NZS 1365:1996 | All Edge Conditions	
Specified Thickness mm	Thickness Tolerance plus or minus mm
≤1.60	0.16
> 1.60 ≤2.00	0.18
> 2.00 ≤2.50	0.19
> 2.50 ≤3.00	0.21
> 3.00 ≤4.00	0.23
> 4.00≤ 5.00	0.25
> 5.00 ≤6.00	0.27
> 6.00 ≤8.00	0.29
> 8.00 ≤10.00	0.32
> 10.00 ≤13.00	0.36

Note: Thickness is measured not less than 10mm from trimmed edge or not less than 25mm from an untrimmed edge.

Width Tolerances | AS/NZS 1365:1996 | Trimmed Edge				
	Width Tolerance mm			
	Specified Thickness mm			
	<3.00		≥3.00 - ≤13	
Specified Width mm	Plus	Minus	Plus	Minus
<150	1.00	0	1.50	0
≥150 <300	1.50	0	2.00	0
≥300 <450	2.00	0	2.50	0
≥450 <600	2.50	0	3.00	0
≥600 <750	3.00	0	3.00	0
≥750 <1000	4.00	0	4.00	0
≥1000 <1250	5.00	0	5.00	0
≥1250 <1500	6.00	0	6.00	0
≥1500 ≤2000	7.00	0	7.00	0

Edge Camber Tolerances | AS/NZS 1365:1996 | All Edge Conditions	
Specified Width	Edge Camber Tolerance %
all	0.4

Width Tolerances | AS/NZS 1365:1996 | Untrimmed Edge		
Specified Width mm	Width Tolerance mm	
	Plus	Minus
>599 ≤1000	25	0
> 1000 ≤1250	30	0
> 1250 ≤1500	35	0
> 1500 ≤2000	40	0

Length Tolerances | AS/NZS 1365:1996 | All Edge Conditions		
Specified Length mm	Length Tolerance mm	
	Plus	Minus
<2000	10	0
≥2000 <4000	15	0
≥4000 <6000	20	0
≥6000 <12000	30	0
≥12000	50	0

Flatness Tolerances | AS/NZS 1365:1996 | All Edge Conditions

Flatness tolerances given are applicable to sheet steel having a specified carbon content equal to 0.25% or less and a specified or typical minimum yield strength less than 340 MPa. For sheet and strip > 340 MPa specified or typical minimum yield strength, the flatness tolerance is determined by multiplying the values given in the table by a factor of 1.5.

Nominal Thickness mm	Distance Between Points of Contact mm	Flatness Tolerance mm	
		Class A	Class B
≤2	≤500	10	3
	> 500 ≤750	15	4
	> 750 ≤1000	20	5
	> 1000 ≤1500	25	8
	> 1500	30	10
>2 ≤5	≤500	8	3
	>500 ≤750	12	4
	>750 ≤1000	15	5
	>1000 ≤1500	20	8
	>1500	25	10
>5 ≤13	≤500	5	–
	>500 ≤750	8	–
	>750 ≤1000	10	–
	>1000 ≤1500	15	–
	>1500	20	–

Note: The tolerances apply when measured at least 20 mm from the longitudinal edges and 100 mm from the transverse edges.

Steepness Ratio | AS/NZS 1365:1996 and AS 1548:1995		
This is an alternative method for expressing flatness.		
	Steepness Ratio	
Specified Thickness mm	Class A	Class B
≤2	1.8	0.6
>2 ≤3.2	1.5	0.6
>3.2 ≤13	1.5	–

Out-of-Square Tolerance | AS/NZS 1365:1996

For all sizes, the cut lengths shall be such that sheet steel of the ordered nominal dimensions can be obtained. When measured as shown on page 16, the out-of-squareness of the cut length from trimmed steel strip shall not exceed 1.0%.

Cold Rolled And Cold Rolled Metallic Coated Sheet & Coil

These tolerances apply to cold rolled, metallic coated and organic coated sheet and strip steel. For coated products, including those with organic coating, thickness tolerances apply to base metal only.

Thickness Tolerances | AS/NZS 1365:1996 | All Edge Conditions			
Specified Length mm	Thickness Tolerance plus or minus mm		
	Specified Width mm		
	≤1200	>1200 ≤1500	>1500 ≤2000
≤0.30	0.02	–	–
>0.30 ≤0.50	0.03	0.04	–
>0.50 ≤0.80	0.04	0.05	0.06
>0.80 ≤1.20	0.05	0.06	0.07
>1.20 ≤1.60	0.06	0.07	0.08
>1.60 ≤2.00	0.07	0.08	0.09
>2.00 ≤2.50	0.08	0.09	0.10
>2.50 ≤3.00	0.09	0.10	0.11
>3.00 ≤4.00	0.10	0.11	0.12

Note: Class A – measured at a minimum of 50 mm from the strip edge. Within 10mm of welds and coil ends, the thickness may vary by twice the above tolerance.
Class B – thickness measured not closer than 10 mm to the edge of the strip. There is no change of tolerance in the vicinity of welds or coil ends. Class B tolerances are applicable to trimmed edge material only.

Approximate Coating Thickness		
This table enables users of metallic sheets to have some idea of the approximate thickness of various coating classes.		
Coating Class	Coating Mass Factor* g/m2	Approximate Coating Thickness mm
Z100	130	0.02
Z200	220	0.03
Z275	290	0.04
Z350	370	0.05
Z450	470	0.07
Z600	650 (≤2.0mm thick) 680 (>2.0mm thick)	0.09 0.10
ZS30	70	0.01
ZF100	130	0.02
AZ150	170	0.05
AZ200	220	0.06

*The coating mass in this column was used for thickness calculations and includes the manufacturing margin needed to achieve the specified minima.
Theoretical coating thickness for Z and ZF coatings have been based on 100g/m2 = 0.014 mm and for AZ coatings 100g/m2 = 0.027 mm.

Width Tolerances | AS/NZS1365:1996 | Trimmed Edge – Class A		
Specified Width mm	Width Tolerance mm	
	Plus	Minus
≤150	1.00	0
>150 ≤300	1.50	0
>300 ≤450	2.00	0
>450 ≤600	2.50	0
>600 ≤750	3.00	0
>750 ≤1000	4.00	0
> 1000 ≤2000	5.00	0

Width Tolerances | AS/NZS1365:1996 | Untrimmed Edge		
Specified Width mm	Width Tolerance mm	
	Plus	Minus
>599 ≤1000	25	0
> 1000 ≤1250	30	0
> 1250 ≤1500	35	0
> 1500 ≤2000	40	0

Width Tolerances | AS/NZS1365:1996 | Trimmed Edge – Class B								
Specified Width mm	Width Tolerance mm							
	Strip						Sheet	
	Specified Thickness mm							
	<1.00		≥1.00 ≤3.00		>3.00		All	
	Plus	Minus	Plus	Minus	Plus	Minus	Plus	Minus
≤150	0.20	0	0.40	0	0.60	0	1.00	0
>150 ≤300	0.40	0	0.60	0	0.80	0	1.00	0
>300 ≤ ≤450	0.60	0	0.80	0	1.00	0	1.00	0
>450 ≤600	0.80	0	1.00	0	1.00	0	1.00	0
>600 ≤750	1.00	0	1.00	0	1.00	0	1.00	0
>750 ≤1000	1.50	0	1.50	0	1.50	0	1.50	0
> 1000 ≤2000	2.00	0	2.00	0	2.00	0	2.00	0

Length Tolerances | AS/NZS 1365:1996 | Class A		
Specified Thickness mm	Length Tolerance mm	
	Plus	Minus
≤150	7	0
>1.50 ≤4.00	10	0

Length Tolerances | AS/NZS 1365:1996 | Class B		
Specified Length mm	Length Tolerance mm	
	Plus	Minus
≤750	1.00	0
>750 ≤≤1000	1.50	0
> 1000 ≤2000	2.00	0
> 2000 ≤3000	3.00	0
> 3000 ≤4000	4.00	0

Edge Camber Tolerances | AS/NZS 1365:1996	
Specified Width mm	Edge Camber Tolerance %
All	0.2

Flatness Tolerances | AS/NZS 1365:1996		
Distance Between Points of Contact mm	Flatness Tolerance mm	
	Class A	Class B (see note)
≤500	5	2
>500 ≤750	7	3
>750 ≤1000	10	5
>1000 ≤1500	15	8
>1500	20	10

Note: Class A applies to sheet ≤4.00 mm thick only.
Class B applies to sheet ≤3.00 mm thick only.

Steepness Ratio | AS/NZS 1365:1996		
Specified Thickness mm	Steepness Ratio mm	
	Class A	Class B (see note)
≤1.70	1.2	0.5
>1.70 ≤3.00	1.5	0.5
>3.00 ≤4.00	1.5	–

Note: For A tolerance where the length between the points of contact l, is less than 1000mm, the steepness ratio is 1%.

Out-of-Square Tolerance | AS/NZS 1365:1996
For all sizes, the cut lengths shall be such that sheets of the ordered nominal dimensions can be obtained. The out-of-squareness of a cut length of trimmed-edge steel strip shall not exceed 1.0%. Refer to page 16.

Metallic Coating Tolerance | Hot-dipped Zinc Coated Zinc/Aluminium Alloy-Coated Products | AS 1397:2021			
Coating Class	Coating Mass g/m2		
	Total both surfaces		One Surface Min. Single Spot
	Min. Triple Spot	Min. Single Spot	
Z100	100	90	40
Z200	200	180	80
Z275	275	250	110
Z350	350	315	140
Z450	450	405	180
Z600	600	540	240
ZS30*	30	27	12
ZF100	100	90	40
AZ150	150	135	60
AZ200	200	180	80

*Not covered by AS 1397:2021 .

Approximate Paint Thickness for Single and Double-Sided Films	
Single-Sided (ie. Shadow Grey)	0.03mm - 0.05mm
Double-Sided	0.04mm - 0.06mm

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