

# TRUECORE® steel light gauge steel framing



# Circular thinking and resilience

All TRUECORE® steel contains recycled content<sup>1</sup> and the steel itself is 100% recyclable. Frames made from TRUECORE® steel are lightweight, durable and can be screw assembled - highly suitable for modular design, and can be designed for disassembly and reuse.

BlueScope embraces circular economy principles in product development, including designing products for durability and resilience.

Continual investment in innovation and product development alongside rigorous testing has seen the introduction of Activate® technology in TRUECORE® steel. Incorporated in BlueScope's industry-leading metallic coating, Activate® technology enhances the protective coating of TRUECORE® steel's substrate to provide enhanced corrosion resistance. The result is a long life that helps conserve resources and energy that may otherwise be invested in products with a shorter life span.

TRUECORE® steel is renowned for its durability, and is backed by BlueScope. BlueScope offers a variety of warranties subject to application and eligibility criteria.<sup>2</sup>

For more holistic sustainable project outcomes, it is increasingly recognised that materials should be assessed across a range of environmental impacts in the context of the whole life cycle of the project.

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1. Across the range of steel products manufactured by BlueScope in Australia, the average recycled content (according to recycled content categories defined in ISO 14021:2016) in the steel is 25.0%, which includes pre- and post-consumer recycled materials. Scrap and iron-bearing materials generated and reclaimed from BlueScope's steelmaking, including the BF-BOS process up to slab casting, represent 1.7% of the product mass, which is not reported as recycled content. Scrap arising from downstream processes, such as plate and coil milling, rolling, tempering, annealing, pickling, metallic coating, painting, rollforming and/or fabrication are included as pre-consumer recycled content. The figures provided are based on FY23 data.

2. Warranties subject to exclusions, application, and eligibility criteria. For full terms and conditions visit [www.bluescopesteel.com.au/warranties](http://www.bluescopesteel.com.au/warranties)



# Embodied carbon and climate action

BlueScope strives to reduce the embodied carbon of our products, supported by our climate strategy, plans and targets.

BlueScope is driving towards a 'net zero GHG emissions by 2050' goal<sup>3</sup>, with progress targets established for 2030<sup>4</sup>:

- 12% emissions intensity reduction for steelmaking by 2030 (2018 baseline)
- 30% emissions intensity reduction for non-steelmaking by 2030 (2018 baseline)

BlueScope is aware of the critical and global importance of climate change to our business and our stakeholders. We have embedded climate action into our corporate strategy, recognising it is crucial to our long-term success, and we have publicly stated our commitment to taking action to reduce our greenhouse gas emissions.

We regularly report on our progress on climate action in our Sustainability Report, available at [bluescope.com](https://bluescope.com).



BlueScope is driving towards 'net zero GHG emissions by 2050', covering direct (Scope 1) and indirect (Scope 2) emissions across our operational footprint.<sup>3</sup>

<sup>3</sup>. This goal applies to all of our global operational Scope 1 and 2 GHG emissions, and is dependent on several enablers, including the commerciality of emerging and breakthrough technologies, the availability of affordable and reliable renewable energy and hydrogen, the availability of quality raw materials and appropriate policy settings.

<sup>4</sup>. Applies to our Scope 1 and 2 emissions, relative to a 2018 baseline, across our steelmaking and non-steelmaking activities.

### Resource efficiency

Wastage in steel frame manufacture is negligible due to the use of specialist software in the fabrication process which maximises material efficiency.

Any steel waste that is produced during fabrication can be recovered and returned to the steelmaking process.

As frames made from TRUECORE® steel are often fabricated off-site to exact specifications, minimal cutting is required onsite resulting in greater material efficiency and minimal onsite waste production.

### Fire performance

A house frame made from TRUECORE® steel won't catch fire and may help the achievement of the standards required for building in even the most severely rated flame zone.

### Credentials and certifications

BlueScope's Port Kembla Steelworks is certified to the ResponsibleSteel™ Standard v1.1. Specifying products from a ResponsibleSteel™ certified site can give businesses and consumers confidence that the steel they use has been sourced and produced responsibly.

BlueScope's Port Kembla Steelworks site, where the steel for TRUECORE® steel is manufactured, is certified to the ResponsibleSteel™ Standard v1.1.

ResponsibleSteel™ is the steel industry's first global multi-stakeholder standard and certification initiative. ResponsibleSteel™ certification can give organisations in the steel value chain confidence in the environmental, social and governance performance of steelmaking facilities, and may help them to meet their climate objectives and manage supply chain risks.

Specifying steel from a ResponsibleSteel™ certified site supports steel manufacturers such as BlueScope who are committed to climate action and sustainability.

An Environmental Product Declaration (EPD) is available for this product<sup>5</sup>.

TRUECORE® steel is certified to internationally recognised ecolabel Global GreenTag<sup>Cert™</sup> GreenRate™ achieving the highest rating, Level A.





## Product Sustainability Information

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### Green Star

EPDs, GreenRate™ and ResponsibleSteel™ certification are recognised initiatives under the Green Star Responsible Products Framework and can contribute to a project's Green Star rating. TRUECORE® steel has an EPD, GreenRate™ 'Level A' and is manufactured using steel from a ResponsibleSteel™ certified site, making it a 'Best Practice' product.

The combination of the EPD for TRUECORE® steel alongside its Global GreenTag<sup>Cert</sup>™ GreenRate™ 'Level A' rating and the ResponsibleSteel™ certification for Port Kembla Steelworks, where the steel in TRUECORE® steel is manufactured, equates to a Responsible Product Value (RPV) of 21 in the Green Building Council of Australia's (GBCA) Responsible Products Score Checker.

This is considered 'Best Practice' under the GBCA's Responsible Products Framework and may contribute to a project's Green Star rating. Information on initiatives, and how products can contribute to a Green Star rating can be found at [new.gbca.org.au](http://new.gbca.org.au).

The EPD for TRUECORE® steel can also contribute information to credits relating to life cycle impacts and upfront carbon.

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This product is considered 'Best Practice' under the Green Star Responsible Products Framework and may contribute to a project's Green Star rating.





# Sustainability at BlueScope

BlueScope is a verified supplier under the Steel Sustainability Australia (SSA) programme, meeting best practice ESG standards in the manufacturing of semi-finished steel products.

Our product sustainability credentials are supported by our company-wide sustainability initiatives including responsible sourcing and supply chain sustainability.

Always guided by Our Purpose, Our Bond and our Code of Conduct, we are determined to do what's right. We act in the best interests of our business, people and stakeholders, behave ethically and honour our environmental and economic responsibilities.

BlueScope's Australian manufacturing facilities are certified to the globally recognised standard ISO 14001 (Environmental Management Systems), demonstrating BlueScope's commitment to continual improvement.

Our commitment to sustainability extends beyond our own operations and includes the way we source materials, engage with all those we do business with and support our local communities.

Our sustainability commitments, progress and performance, are publicly available in our annual Sustainability Report.

A photograph showing two workers in safety gear (hard hats, high-visibility vests, and work boots) walking through a large, blue-painted steel frame structure, likely a manufacturing facility. The worker in the foreground is wearing a yellow high-visibility vest with 'truecore' on it, and the worker behind him is wearing an orange high-visibility vest. They are walking on a concrete floor within the steel framework.

BlueScope's Australian manufacturing facilities are certified to the globally recognised standard ISO 14001 (Environmental Management Systems)



For further information,  
contact BlueScope Steel Direct

1800 022 999  
[steel.com.au](http://steel.com.au)

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**BlueScope Steel Limited**

Level 24, 181 William St, Melbourne, VIC 3000, Australia  
ABN 16 000 011 058

**[bluescope.com](http://bluescope.com)**

**in**   @BlueScope

**Truecore<sup>®</sup>**