

COLORBOND® steel for fencing



Colorbond®

Circular thinking and resilience

All COLORBOND® steel contains recycled content¹ and the steel itself is 100% recyclable. COLORBOND® steel is durable and resilient to Australia's harsh climate and its long life helps keep resources in use for longer.

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

Continual investment in innovation and product development alongside over 50 years of rigorous testing has seen the introduction of Activate® technology². Incorporated in BlueScope's industry-leading metallic coating, Activate® technology enhances the protective coating of COLORBOND® steel's substrate to provide enhanced corrosion resistance. The result makes COLORBOND® steel durable and resilient to Australia's harsh climate and delivers a long life that helps conserve resources and energy that may otherwise be invested in products with a shorter life span.

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.

Unlike many alternatives, a COLORBOND® steel fence won't need to be repainted, oiled or have palings and other parts replaced regularly. It will keep its good looks for many years with just an occasional hose down every six months³.

All COLORBOND® steel contains recycled content¹ and the steel itself is 100% recyclable. In some cases it can be reused without reprocessing, saving on energy and resource use.

In 2022, BlueScope increased the maximum warranty for fencing from 10 years to up to 15 years⁴.

All COLORBOND® steel contains recycled content¹ and the steel itself is 100% recyclable.

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. Aluminium/zinc/magnesium alloy-coated steel substrate incorporating Activate® technology is not available for COLORBOND® steel products with a galvanised steel substrate.

3. For maintenance of COLORBOND® steel see Technical Bulletin 4 at steel.com.au/library.

4. Warranties are subject to exclusions, application and eligibility criteria. For full terms and conditions and to determine the eligibility of your product for the warranty visit bluescopesteel.com.au/warranties or contact BlueScope on 1800 800 789. Warranties provided by BlueScope do not affect consumer rights under the Australian Consumer Law.

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' goal⁵, with progress targets established for 2030⁶:

- 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.

BlueScope is driving towards 'net zero GHG emissions by 2050', covering direct (Scope 1) and indirect (Scope 2) emissions across our operational footprint.⁵

5. 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.

6. Applies to our Scope 1 and 2 emissions, relative to a 2018 baseline, across our steelmaking and non-steelmaking activities.

Resilience – fire performance

In a bushfire, you can be assured that a fence made from COLORBOND® steel is a smart choice.

Of the fencing materials tested in a bushfire study conducted by the CSIRO, COLORBOND® steel performed the best under all exposure conditions, including testing used to simulate the potential effects of an adjacent house fire.⁷

Transparency

BlueScope transparently reports on the environmental impact of a number of our key products, including greenhouse gas emissions via Environmental Product Declarations (EPDs).

EPDs provide complete and transparent information on the properties and environmental impact of the material based on life cycle information. An Environmental Product Declaration (EPD) is available for COLORBOND® steel for fencing⁸.

Responsible manufacture

BlueScope's Port Kembla Steelworks site 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.

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.



7. Source: Research and investigation into the performance of residential boundary fencing in Bushfires. Bushfire CRC (2005). Available at: colorbond.com/fencing

8. EPDs are available for COLORBOND® steel for fencing products at select metal coating classes and base metal thicknesses (BMTs). Please visit steel.com.au to view the EPD and for the full details of the products covered.

A woman and a man are walking from left to right in the foreground, slightly blurred to suggest motion. The woman is wearing a light blue t-shirt and white trousers, carrying a large cardboard box under her arm and a wicker basket in her hand. The man is wearing a white t-shirt and brown trousers, carrying a large cardboard box under his arm and a wicker basket in his hand. They are walking on a paved surface. Behind them is a light-colored wooden fence. In the background, there is a large, dense green hedge. The sky is clear and blue.

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such as BlueScope who are committed to
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Green Star

EPDs and ResponsibleSteel™ certification are recognised initiatives under the Green Star Responsible Products Framework and can contribute to a project's Green Star rating. COLORBOND® steel for fencing has an EPD⁹, and is manufactured using steel from a ResponsibleSteel™ certified site, making it a 'Best Practice' product.

The combination of the product-specific EPD for COLORBOND® steel for fencing, alongside the ResponsibleSteel™ certification for Port Kembla Steelworks, where the steel in COLORBOND® steel is manufactured, equates to a Responsible Product Value (RPV) of 15 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.

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

Launched by the Green Building Council of Australia (GBCA) in 2003, Green Star is Australia's largest voluntary sustainability rating system for buildings, interiors and communities. It assesses the sustainability attributes of a project through impact categories.



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

Sustainability at BlueScope

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 woman with long brown hair is sitting on a green lawn, leaning against a large white cushion. She is looking down at a smartphone in her hands. Behind her is a large, lush green wall made of various plants and flowers. The wall is made of wooden planks and is covered in greenery. The scene is outdoors, with trees and a clear sky in the background.

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For further information,
contact BlueScope Steel Direct

1800 022 999
steel.com.au

BlueScope Steel Limited

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

bluescope.com

in   @BlueScope

Colorbond®