

# STEEL ROOFING PRODUCTS SELECTION GUIDE



Selecting the most appropriate BlueScope product for your roofing needs by considering its intended location and the environmental factors will ensure that your roof achieves its intended service life.

The ability of [COLORBOND®](#) pre-painted steel and [ZINCALUME®](#) steel to excel in various climatic conditions in Singapore and neighboring regions is the result of advanced coating technologies applied to the base steel strip.

## SELECTION OF BLUESCOPE STEEL COATED PRODUCTS - BY ENVIRONMENTAL FACTOR

Recommended BlueScope Coated Products	Distance from Exposed Marine Environment
ZINCALUME® Steel COLORBOND® Steel	> 200m
COLORBOND® ULTRA Steel	> 100m
COLORBOND® STAINLESS* Steel	> 0m

1. Absolute performance is subject to local conditions including, but not limited to, prevailing winds, and presence of unwashed areas.
2. Distance is as measured from the high water/tide mark.
3. The above tables apply to salt marine influences only. For projects that will be potentially subjected to severe or heavy industrial conditions or internal humidity, it is essential to contact Lysaght Singapore for advice on suitable products.



### What is ZINCALUME® Steel?

It is a form of Aluminum/Zinc alloy-coated steel strip (Type AM as per AS1397-2011: Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminum).

### What is COLORBOND® Stainless Steel?

It is a form of stainless steel substrate with factory applied paint systems suited for very severe exterior environments.

### What is COLORBOND® Steel?

It is a form of aluminium/zinc alloy-coated steel substrate with a range of factory applied paint systems to cope with exposure to various environments.

**COLORBOND® Ultra Steel** - for severe exterior environments.

## Atmospheric Exposure Conditions

BlueScope has strategically positioned long term exposure test facilities across a range of climatic conditions that have allowed decades of testing and monitoring of our products in some of the harshest environments.

The wealth of data accumulated from these sites has allowed BlueScope to develop products and provide product recommendations suitable for a given location.

## Industrial Influence

The aforementioned range of COLORBOND® steel and ZINCALUME® Steel products are suitable for light industrial applications. Internal activities of industrial buildings must avoid subjecting roofing sheets to heavy dust, emission fallout, contact with heat, moisture, corrosive chemicals or acids etc.

It is essential you contact NS BlueScope Lysaght Singapore for advice on suitable products. In addition, the concentration and nature of industrial activity and the effects of the combustion of fossil fuels must also be considered in some localities. Whilst the direction, intensity and nature of prevailing winds will also exert an influence.



### ASK LYSAGHT!

If you have any questions, please email us at [lysaght.singapore@bluescope.com](mailto:lysaght.singapore@bluescope.com)



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