

## COLORSTEEL® MAXX® with solar reflectance technology

Energy efficient climate control for your home

- Energy efficient, year round comfort
- Helps your roof last longer
- Made in New Zealand for New Zealand conditions

During the hot summer months, New Zealanders spend energy keeping their houses cool. When combined with standard insulation levels, solar reflectance technology acts to maintain greater thermal comfort all year round while using less energy. That's good news for your family, your pocket and for the environment.



### WHAT IS SOLAR REFLECTANCE TECHNOLOGY?

Solar reflectance technology is a paint innovation that is incorporated into all standard<sup>1</sup> colours in the COLORSTEEL® MAXX® prepainted steel range.

In summer, solar reflectance technology works to reflect the sun's heat allowing both your roof and your home to stay cooler on hot days. It performs like extra insulation, making it easier for air conditioning to keep buildings cool.

### HOW DOES SOLAR REFLECTANCE TECHNOLOGY WORK?

Solar reflectance technology improves the thermal performance of buildings by increasing the amount of solar heat that is reflected by your roof. An increase in solar reflectance means that on hot summer days your roof is cooler and less heat is transferred into your home.

DEPTH OF ROOF COLOUR	TOTAL SOLAR REFLECTANCE WITHOUT SRT	TOTAL SOLAR REFLECTANCE WITH SRT	SOLAR REFLECTANCE INCREASE WITH SRT
Light (Straw)	49%	56%	7.0%
Medium (Sorrel)	26%	34%	8.0%
Dark (Thunder Grey)	14%	29%	15.0%

Testing conducted in Australian conditions by BlueScope Steel, Australia.

### REDUCES YOUR POWER BILL

On hot summer days, the solar reflectance technology in COLORSTEEL® MAXX® can reduce energy costs by up to 20%<sup>2</sup> compared to roofing materials of similar colour with low solar reflectance.

### ALL YEAR ROUND COMFORT

Solar reflectance technology works to reduce heat and energy costs on hot summer days. During winter, its cooling effect is greatly reduced. This is because the sun is lower in the sky and the days are shorter and often overcast.

A combination of COLORSTEEL® MAXX® steel with solar reflectance technology and insulation that meets the New Zealand Building Code will help your home remain comfortable all year round.

### HELPING YOUR ROOF LAST FOR LONGER

COLORSTEEL® MAXX® steel with solar reflectance technology absorbs less heat on hot days, working to protect your roof and its supporting structure from temperature extremes. Lower thermal stresses can help your roof to last for longer.

### MADE FOR NEW ZEALAND CONDITIONS BY NEW ZEALAND STEEL

With proven strength, durability and a warranty backed by New Zealand Steel, COLORSTEEL® prepainted steel has been a Kiwi favourite for 30 years. Now, COLORSTEEL® MAXX® steel with solar reflectance technology delivers thermal performance to help make your home more comfortable in the years ahead.

### DISCLAIMER

New Zealand Steel reserves the right to modify products, techniques, equipment and statements to reflect improvements in the manufacture and application of its products.

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1. Ebony cannot be produced with solar reflectance technology due to its pigment composition.
2. Results depend on level of insulation, building shape and function. Average reduction is approximately 5%.

For more information about COLORSTEEL® prepainted steel and solar reflectance technology call 0800 100 523, visit [colorsteel.co.nz](http://colorsteel.co.nz) or email us at [info@colorsteel.co.nz](mailto:info@colorsteel.co.nz).