Colorbond®

Climate control for Australian homes

THERMATECH®

RESIDENTIAL BUILDINGS FACT SHEET

Roofing is a key consideration when designing homes for thermal efficiency. Combined with roofing insulation, COLORBOND® steel with Thermatech® solar reflectance technology helps maintain greater thermal comfort all year round, whilst using less energy. This is a breath of fresh air for Australian homeowners with increasing awareness of climate change and the need for greater thermal efficiency.

Smarter thinking helps meet homeowner needs

A growing number of very hot days plus media and government focus on climate change have directed homeowner attention onto the harshness of our climate. Today, Australians want to know their housing is thermally efficient and comfortable. That's why Thermatech® technology is now included in all 20 standard colours in the COLORBOND® steel range, at no additional cost.

Use less energy to stay cooler in summer

COLORBOND® steel with Thermatech® reflects more of the sun's heat, allowing both roofs and homes to stay cooler in summer. Thermatech® acts like added insulation, making it easier for air-conditioning to keep homes cool. That's comfort and cost savings homeowners can appreciate.

In moderate to hot climates, compared to roofing materials of similar colour with low solar reflectance, COLORBOND® steel with Thermatech® can reduce annual cooling energy consumption by up to 20%*.

Even darker colours reflect more heat

Thermatech® boosts the thermal performance of every colour in the standard COLORBOND® steel palette, some darker colours now have double the solar reflectance they had prior to the introduction of Thermatech®. You can offer your clients a wider choice of colours that are classified as light or very light in the Building Code of Australia (BCA) ratings for energy efficiency and BASIX ratings† for thermal efficiency. In fact, there are now 11 COLORBOND® steel colours that may qualify for a roof insulation concession under the BCA.

In hot weather, COLORBOND® steel with Thermatech® can help reduce peak roof temperatures by up to 11°C and provides an equivalent increase in insulation of up to R1.0. Combined with lightweight features and quick installation, COLORBOND® steel with Thermatech® provides unrivalled flexibility to meet homeowner needs.

Year round climate control

Designing and building homes to be comfortable all year round can be a challenge with many considerations, including aspect, cross flow ventilation, insulation, climate and more. In the moderate to hot climates of Australia, combining roofing insulation and COLORBOND® steel with Thermatech® can help provide greater year round comfort whilst using less energy. In winter, the "cooling" effect of Thermatech® is greatly reduced because the sun is lower in the sky, and days are shorter and often overcast.

More of everything people love about COLORBOND® steel

Because of its elegance and durability, COLORBOND® steel has always been a favourite with Australians. Now with the inclusion of Thermatech®, COLORBOND® steel gives homeowners more of what they want. Reduced heat stress means greater durability for the entire roofing system. And a wider choice of thermally efficient colours allows you the flexibility to make everyone happy.

One of the world's most advanced building materials, COLORBOND® steel with Thermatech® is keeping pace with the needs of Australia's designers, builders, developers and homeowners.

For further information visit colorbond.com/thermatech or call 1800 022 999.

*Depending on level of insulation, building shape and function. Average reduction is about 5%.

† Light colour = low solar absorptance.

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BLUESCOPE STEEL