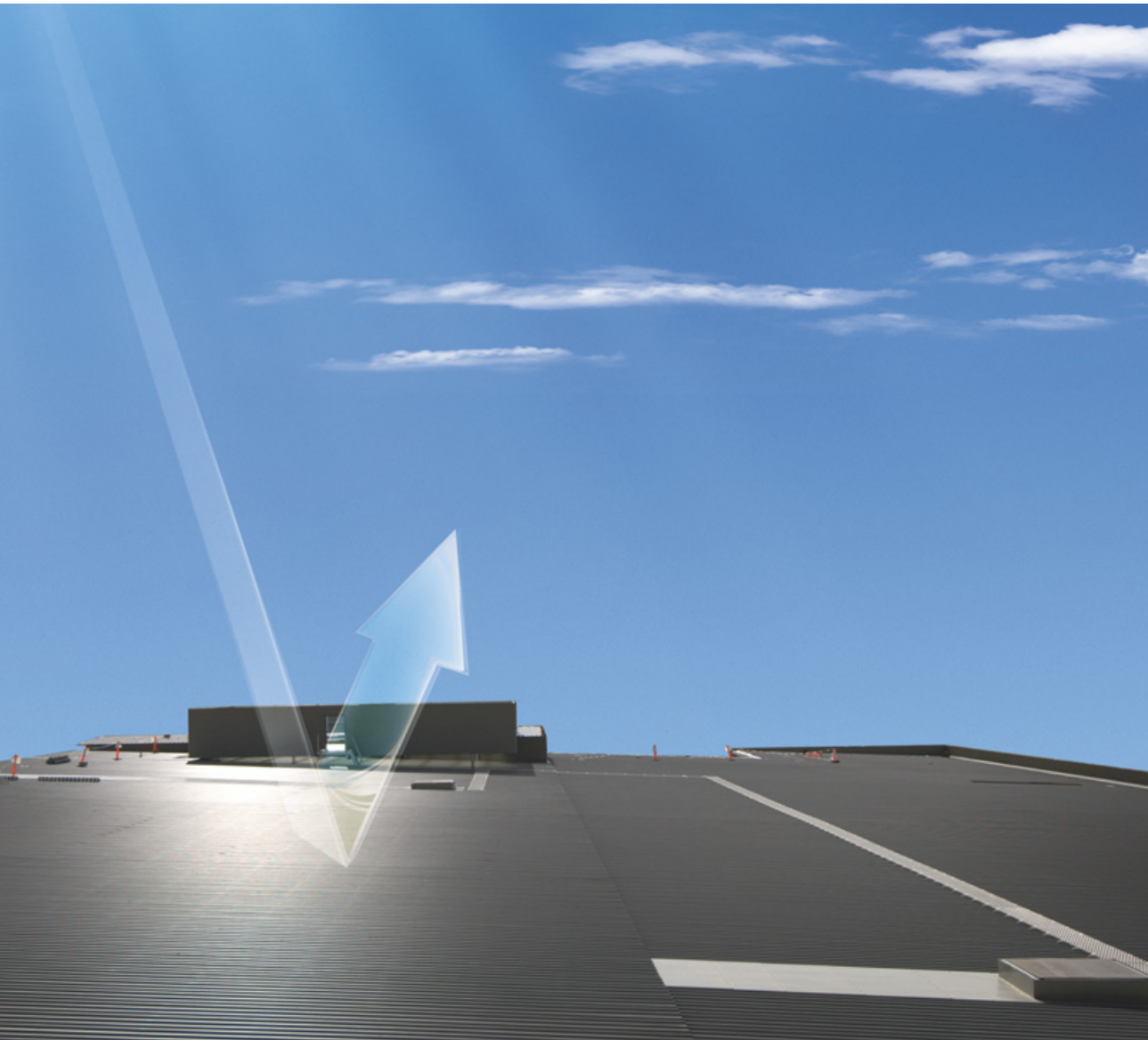




Climate control for the Australian workspace



Roofing is a key consideration when designing commercial and industrial workspace 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 for air-conditioning. This is a breath of fresh air for Australian businesses with a heightened awareness of climate change and the need for greater thermal efficiency.

THE THERMATECH®
COMMERCIAL & INDUSTRIAL BUILDINGS FACT SHEET



SMARTER THINKING

Smarter thinking helps meet the needs of tenant and owner

A growing number of very hot days plus media and government focus on climate change have made the business community acutely aware that we live in a harsh climate. Today, business professionals need to know their workspace is thermally efficient. That's why Thermatech® solar reflectance technology is now included in all 20 colours in the standard COLORBOND® steel palette, at no additional cost.

Use less energy to stay cooler in summer

COLORBOND® steel with Thermatech® technology reflects more of the sun's heat, allowing both roofs and buildings to stay cooler in summer. Thermatech® acts like added insulation, making it easier for air-conditioning to keep buildings cool. Added comfort and cost savings are a direct benefit that tenants and building owners 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, without changing their appearance and 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 can possibly qualify for an insulation concession under the BCA.

In summer, COLORBOND® steel with Thermatech® can help reduce peak roof temperatures by up to 11°C and provide an equivalent increase in insulation of up to R1.0. Architectural "sandwich" panels can have an external skin temperature that's cooler by up to 13°C.

Combined with traditional lightweight features and quick installation, COLORBOND® steel with Thermatech® provides unrivalled flexibility to meet architect, builder, developer and building owner needs.

All year round climate control

Designing and developing buildings to be comfortable all year round can be a challenge with many considerations, including aspect, 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 significantly less energy. In winter, the "cooling" affect of Thermatech® is greatly reduced because the sun is lower in the sky, and days are shorter and often overcast.

Keeping pace with the needs of the business community

Because of its elegance, versatility and durability, COLORBOND® steel has been one of Australia's favourite building materials for more than 40 years. Now with the inclusion of Thermatech®, COLORBOND® steel delivers more of everything that's made it the right choice. Reduced heat stress means greater durability for entire roofing systems and superior ROI. And a wider choice of thermally efficient colours provides you with flexibility to accommodate all project stakeholders.

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

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

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any means, electronic, mechanical, photocopying, recording or otherwise, without written permission of BlueScope Steel Limited. BlueScope Steel Limited ABN 16 000 011 058.
*Depending on level of insulation, building shape and function. Average reduction is about 5%.
† Light colour = low solar absorbance.

Colorbond®

