



NuTech
Paint for a perfect finish

NXT

COOL ZONE



NXT Cool Zone

Heat reflective roof coating

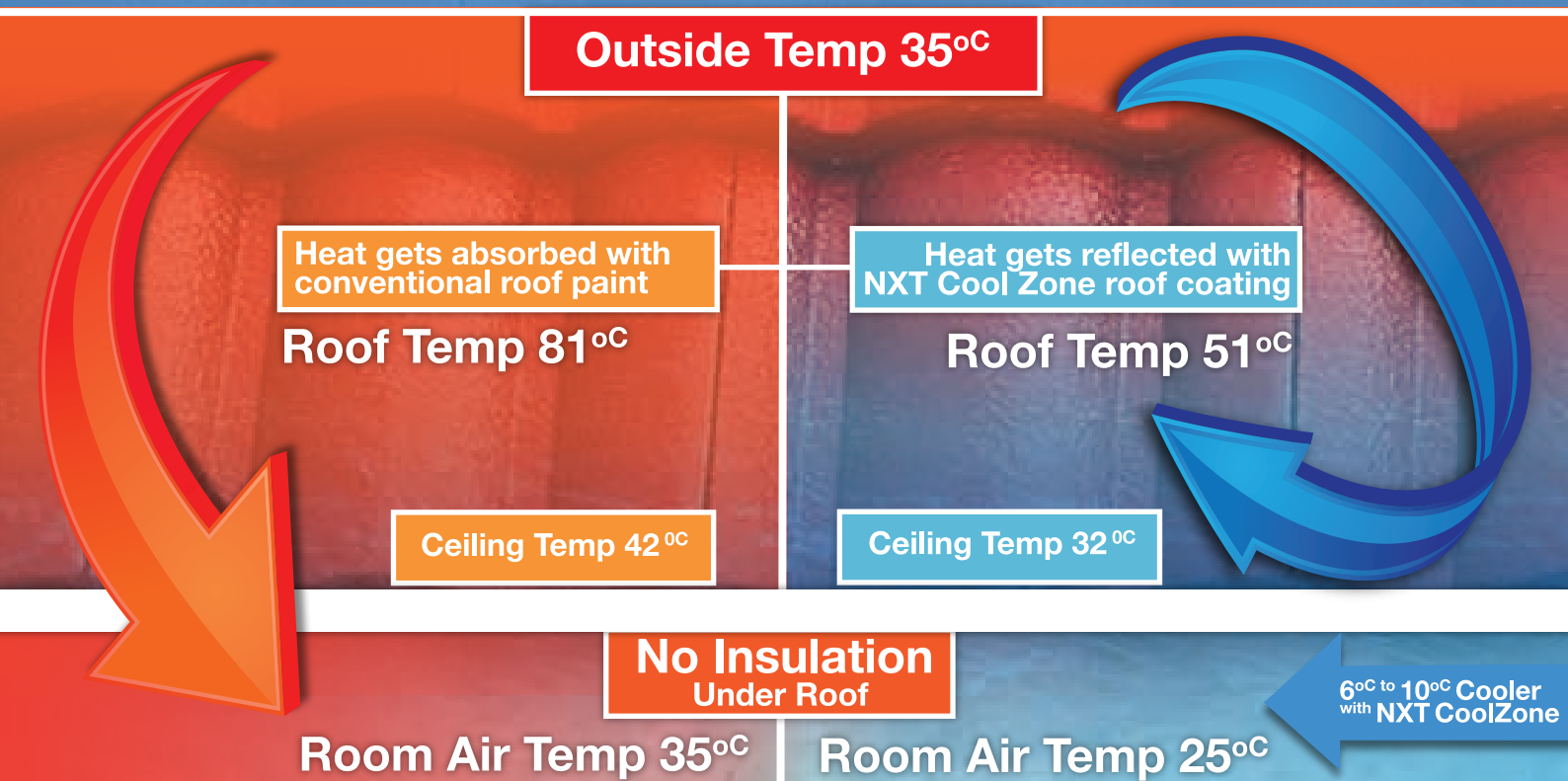


Experience the incredible benefits of **NXT Cool Zone®**, a revolutionary heat-reflecting roof coating that utilises NuTech Paint's cutting-edge **Thermal Protection Technology®** to keep your building cool even during the hottest of days. By reducing the temperature of your roof, this remarkable coating allows you to live more comfortably without sacrificing your preferred colour choice. As a result, you can save energy, reduce your home's impact on the environment, and enjoy healthy, comfortable living all year round.

It's a scientific fact that with NuTech's **NXT Cool Zone Technology**, your roof will last longer, save you money, and promote a more sustainable lifestyle. This is especially important in Australia, where roofs are typically inspired by the rich, dark colours found in our diverse natural landscapes. Unfortunately, dark roofs absorb more sunlight and become hotter as the day progresses, causing roof spaces to super heat up to 90° and rooms below to become unbearable, even with ceiling insulation. Air conditioning is overworked and the durability of the roof structure is compromised.

Cooling homes in hot weather has become increasingly expensive due to rising electricity and maintenance costs. Air conditioning also adds to greenhouse emissions, using valuable resources and contributing to environmental damage. But now, with **NXT Cool Zone**, you can choose your preferred roof colour without worrying about high cooling costs. This revolutionary coating proves that dark colours don't have to be hot colours, allowing aesthetics and functionality to go hand in hand.

So why settle for a regular roof paint when you can enjoy the incredible benefits of **NXT Cool Zone**? Make the switch today and change the way you think about home cooling costs!



HOW DOES NXT COOL ZONE WORK?

NXT Cool Zone is the brainchild of Australia's largest and oldest roof coating specialist, NuTech Paint, with 50 years of experience and a reputation for multiple industry awards. NuTech Paint is committed to investing heavily in R&D with the harsh Australian environment in mind, making **NXT Cool Zone** the cutting-edge solution for your roofing needs.

Traditional dark painted and unpainted roof tiles, as well as coloured metal roofs, can absorb up to 95% of the sun's heat, making them unbearable in hot weather. While white roof paint has long been the go-to for keeping roofs cool, not everyone wants a white roof.

This is where **NXT Cool Zone** shines. With a reflective capacity of between 30% and 91%, depending on the colour, **NXT Cool Zone** is a game-changer. For example, **NXT Cool Zone Charcoal** reflects up to 500% more heat than conventional charcoal roof paint with a Total Solar Reflectance (TSR) of 35%. **NXT Cool Zone White** boasts a TSR of over 90%, making it an excellent choice for those who want a cooler roof without sacrificing aesthetics.

What's more, **NXT Cool Zone** doesn't just reflect heat during the day - it also emits heat better than galvanized metal, reflective aluminum paint, and most conventional paint at night. This maximises the cooling efficiency of your roof space and helps you enjoy a comfortable living space all year round.

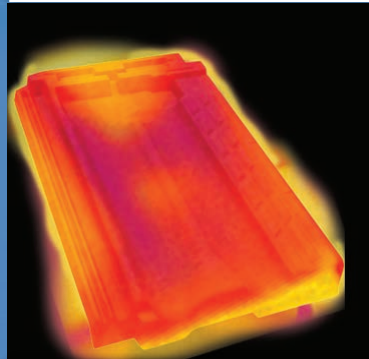
In fact, **NXT Cool Zone** is so effective that it outperforms new cement roof tiles and metal sheeting, neither of which have Thermal Protection Technology. Think of it as a shade for your roof. External blinds on windows can reduce heat gain by up to 80%, and **NXT Cool Zone** works on the same principle by preventing the roof space from heating up. This approach is more cost-effective over the life of the building than trying to control heat transfer with ceiling insulation alone. While ceiling insulation is still necessary for an energy-efficient home, it will work more efficiently at lower peak temperatures with the addition of **NXT Cool Zone**. Say goodbye to a hot, uncomfortable home and hello to the benefits of **NXT Cool Zone**.

Simply put, NXT Cool Zone keeps your roof up to 30°C cooler, meaning rooms below will be kept a comfortable 6 to 10°C cooler.

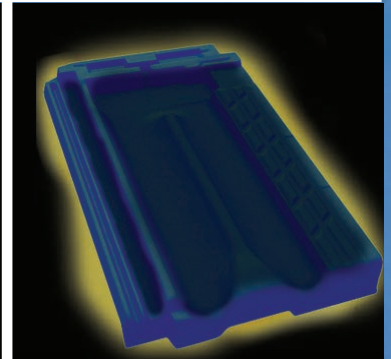
NXT COOL ZONE SAVES YOU MONEY AND PROVIDES THESE ENVIRONMENTAL BENEFITS:

- 100% Acrylic Membrane Roof Coating.
- Eco-friendly green technology: Uses 100% acrylic polymers with ultra low VOCs for healthy homes.
- Advanced cross linking polymer chemistry: Provides ultra durability and dirt resistance.
- Enhanced with surface cleaning nano-technology: Improves dirt resistance and water beading.
- Fade resistant pigments: Saturated with colour and highly resistant to chemicals, UV light and heat.
- Advanced formula: Contains a new defoamer and biocide technology to eliminate micro foam, bacteria and biological growth.
- 100% waterproof: Reduces thermal conductivity in cement tiles to improve thermal insulation in cold wet weather.
- Full colour range: Includes dark earthy colours that blend with the urban environment.
- Satisfies Council Planning and Environmental controls: For visual amenity.
- Contributes to compliance: With 5 Star House and similar State and Federal energy saving policies.
- Conforms to USA EPA Energy Star® Cool Roof requirements: For roofs above 10° (+30% TSR).
- Safe for the collection of drinking water: And saves evaporative air conditioning water use.
- Use less electricity, downsize plant and equipment to conserve energy and valuable resources. Reduce maintenance and replacement costs and extend roof structure life and roof-located appliances such as hot water services and electronics.
- Encourages recycling of older viable roof structures.

Infrared Heat Signature



**Conventional
Roof coating**



**NXT CoolZone
Roof coating**

TO DEMONSTRATE NXT COOL ZONE:

Heat Reflective Roof Coating technology, we painted two cement panels in the same terracotta colour.

The panel on the right is coated with NXT Cool Zone and the panel on the left is coated with a competitor's premium roof paint. The panels were placed an equal distance from an infra-red light source for several hours. The photograph was taken with a thermal imaging camera focused on the back of the coated panels.

The infra-red heat signature shows the back of the standard panel radiating absorbed heat indicated by the glowing pink as it heats up. In stark contrast the panel coated with NXT Cool Zone incorporating Thermal Protection Technology® remains a cool black, except for the heat halo from the infra-red heat source behind the panel.

The NXT Cool Zone panel remains 20 to 30°C cooler, subject to colour, because it reflects away the light energy before it can be converted to damaging heat. Independent testing has confirmed that cooling the roof surface by 20 to 30°C will mean a temperature reduction of between 6 to 10°C in the rooms below.

**30°C Cooler on the Roof
means 6 to 10°C Cooler
Inside the home**



**NXT
COOL ZONE**

MAKE A POSITIVE IMPACT ON THE ENVIRONMENT WITH SOCIALLY RESPONSIBLE ROOF COATING - NXT COOL ZONE.

Not only does NXT Cool Zone help reduce summer cooling costs, peak energy usage, and extend building life, but it also plays an essential role in reducing greenhouse gases, global warming, resource usage, and landfills. By using NXT Cool Zone, you can take a small step towards protecting our planet.

What's more, NXT Cool Zone also helps improve air quality by reducing VOC levels. Unlike other roof coatings that contain Hazardous Air Pollutants, NXT Cool Zone emits low odour and is free from such pollutants. Unused liquid coating, dry coating, and containers are recyclable, making it an environmentally friendly choice for your home.

As the first Australian eco-friendly roof paint compliant with EU and USA regulations regarding VOC and biocides, NXT Cool Zone sets the standard for environmentally conscious coatings. Volatile Organic Compounds (VOCs) are commonly found in paints, fuels, and some household products. Studies show that VOCs contribute to ozone, which can aggravate pulmonary disease and respiratory problems like asthma. By choosing low VOC coatings, you're not only helping the environment but also those who may be sensitive to chemicals.

NXT Cool Zone Contains nano-technology for improved water beading and a cleaner, longer lasting roof.

NXT COOL ZONE

Keeps your house cooler by creating a cooler zone under your roof

Enter the NuTech

**COMFORT
ZONE!**

With
**Thermal Protection
Technology**



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