



# Better for your building and the environment

A heat reflecting exterior coating designed specifically for large buildings, homes and other structures in hot Middle Eastern climates, Contex Thermoguard helps you reduce your building's internal temperature and minimise its carbon footprint.

Air conditioning is one of the main sources of energy consumption in the Middle East and, in most buildings, the sun's infrared rays are the single largest contributor to internal heat gain. Based on next generation heat reflecting technology, Contex Thermoguard reflects the sun's infrared rays to reduce internal heat gain and improve internal comfort.

As lower temperatures inside mean less reliance on air conditioning, applying Contex Thermoguard to the outside of your building is one of the simplest ways to reduce energy consumption and improve your building's carbon footprint.

# Better for building users

- Proven to reduce energy bills by 5 per cent.
- Cuts building cooling time.
- Reduces indoor temperatures by 5 °C.
- Available in a wide range of colours and shades, including black.

### Better for the environment

- Lower energy use and emissions due to reduced air conditioning use.
- Reduced urban heat island effect.
- Low VOC and free of hazardous materials.
- Long-lasting coating for increased product lifecycles.

### Good to know

The urban heat island (UHI) effect is a growing concern for cities in the Middle East. As the number of buildings increases, average temperatures in urban areas are on the rise, which leads to a drop in air quality and may contribute to global warming. Contex Thermoguard helps mitigate UHI by ensuring buildings reflect more sunlight and absorb less heat.



# A robust exterior coating for the ultimate thermal insulation

As an advanced exterior, Contex Thermoguard provides excellent thermal insulation and an extremely long-lasting finish in hot climates.

When applied to the exterior of a building, Contex Thermoguard reduces internal heat gain from walls and roofs to help keep the interior cool and reduce reliance on air conditioning. And, like any other Hempel product, it is designed for easy application and results in a long-lasting and beautiful finish.

A breathable, elastomeric waterborne topcoat, Contex Thermoguard uses an advanced pure acrylic binder to ensure excellent anti-carbonation properties and crack-bridging ability.

Available in more than 500 colours, including black and grey shades, Contex Thermoguard can be applied with roller or spray, as well as textured rollers for a range of effects and finishes. It provides high scrub resistance, outstanding UV resistance and weather stability, and gives you a finished coating that looks great and requires minimal maintenance.

### **Environmental performance**

- Unique thermal insulation properties.
- · Proven energy-saving capabilities.
- Waterborne coating.

### Low maintenance and long life

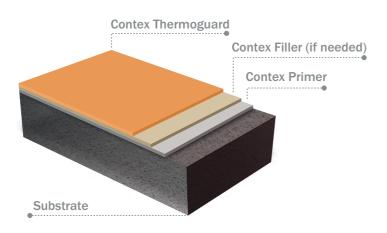
- Excellent anti-carbonation and anti-fungal properties.
- · Lower heat cycling stress.
- · Outstanding UV resistance and weather stability.

### Beautiful finish

- Wide range of pastel, medium and dark colours.
- · Can be applied with textured rollers.

### Simple application

- Standard roller or spray application.
- Dry film thickness of 40 microns.
- Dry to touch in 3 hours at 20°C.

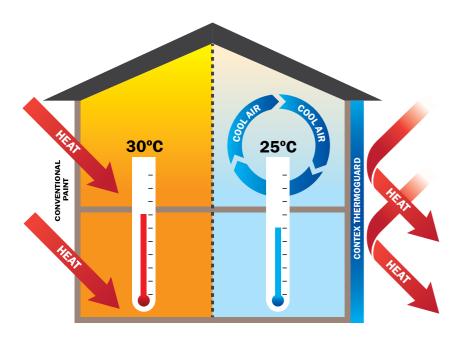




# How does Contex Thermoguard work?

Infrared energy is responsible for 53 per cent of the sun's heating effect, which makes reflecting infrared rays one of the most effective ways to reduce internal temperatures.

Contex Thermoguard's unique formulation combines heat reflecting pigments and glass microspheres to reflect solar energy, especially energy in the infrared spectrum. This significantly reduces heat transfer into indoor areas, which reduces average indoor temperatures by 5 °C, and reduces dewing to improve the coating's durability.



Thanks to the combined effect of heat reflecting pigments and glass microspheres, Contex Thermoguard increases the total solar reflection by more than 100 per cent compared to conventional coatings. This significantly reduces the transfer of heat into indoor areas, which reduces average indoor temperatures by 5  $^{\circ}$ C and cuts cooling time and cost. As a result, Contex Thermoguard can reduce a building's energy consumption by 5 per cent.



Since 1915 Hempel has been a world-leading coatings specialist, providing protection and inspiration to the world around us. Today we have over 5,500 people in 80 countries delivering trusted solutions in the protective, decorative, marine, container, industrial and yacht markets. This includes many recognised brands like Crown Paints, Schaepman and Jones-Blair.

Hempel is proudly owned by the Hempel Foundation, which supports cultural, humanitarian and scientific causes across the world.

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