

NASA TECHNOLOGY HELPS KEEP NEW ZEALAND GREEN

NASA-developed ceramic technology, previously unseen in New Zealand, is now being used as an insulation coating, which could revolutionise the construction of major commercial and industrial buildings around the country.

As well, it could save millions of dollars in insulation costs for large retail-store chains, while also dramatically cutting greenhouse gas emissions.

Super Therm is applied to the roofs and outer surfaces of buildings, blocking 95 per cent of solar energy.

The material is imported, distributed and applied by Hamilton company Applied Science Ltd, jointly owned and operated by Rodney Clausen and David Palmer.

“When applied it is little thicker than a business card,” said Mr Clausen.

“Owners of many large retail chains, and users of commercial and industrial buildings are already publicising their commitment to saving energy, and with 40 per cent of the world’s greenhouse gases generated by such buildings, many industry giants realise they have an obligation to reduce emissions,” he said.

“New Zealand businesses are starting to recognise that Super Therm is a highly viable energy-saving solution when applied to their buildings.”

“The resulting lower roof temperatures, and more even temperatures within the building, mean significant reductions in energy consumption for cooling, and also in reduced greenhouse gas emissions.”

Mr Palmer said that for a major national retail chain store business, the carbon savings in reduced air conditioning use could equal 70,000 trees annually, or the cutting out of emissions equivalent to 650 cars being driven continuously for a year.

“The company would not only be saving substantial costs, but would also greatly contribute to the welfare of the environment,” he said.

Super Therm is already used by major organisations in the Northern Hemisphere, including Hitachi, UPS and Wal-Mart.

The Sony Corporation cut cooling costs by 75 per cent using the new coating.
Mr Palmer said Super Therm is now being used in roofs, walls, cool-stores, packing-sheds, poultry farms, fuel depots and abattoirs, where surfaces are required to be kept cool or at an even temperature.

The material is manufactured in the United States, and is used extensively in Asia, America and Europe.

Applied Science Ltd. has twenty-six different coatings available in their New Zealand portfolio for various applications ranging from biohazard encapsulation to anti-graffiti and more.

Ends.

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