



RTT SEALANT

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Roof Sealant Extends Life & Improves Efficiency of Solar Panel Technology

A unique combination of a proven metal, concrete or other substrate roof restoration and protection system with the latest solar panel technology is creating economic benefit for owners and tenants in commercial, industrial and residential complexes throughout Australia.

The combination, developed by Queensland company, RTT (Roof Thermal Technology) Sealant, extends the life of a solar power system mounted on any roof while creating financial benefit from reduced energy consumption for the building. RTT was established in 2008 and manufactures and distributes nationally from their warehouse in Nerang, on the Gold Coast.

RTT Sealant Ultimate Roof Coating System

RTT's dual-layer elastomeric protection system was developed to provide a guaranteed corrosion and leak free existing metal, concrete or other substrate roof, but has now been expanded to extend the life and enhance the performance of solar panel installations.

The waterproof sealant and solar panel combination was developed because many RTT roof restoration and protection projects involved the removal of existing solar panel installations to access leaking roofing infrastructure.

Solar Panel Installations

RTT has found that solar panels block out the sun to the roof and allow moisture and condensation to create rust and corrosion in roofs without RTT protection.

While solar panels may be guaranteed for 20 to 25 years the roof below them and where they are mounted, in many cases, does not last that long. Therefore the solar panel guarantees and roof leak guarantees are out of sync.

Installing a protective waterproof layer on a new or existing roof before the solar panel system is installed has proven to extend the life of the roof and the solar system, with the cost of the membrane only 25-30 per cent of the total.

The RTT Super Solar System

Saving power with the heat reflective waterproof membrane and making power with the solar panel system delivers savings and income at the same time, giving an excellent return on investment. Maximising the benefits by combining technologies, the installation costs of the Super Solar System will start to be repaid from the first power bill. After only a few years it will be repaid completely.

The RTT system utilises a liquid rubber waterproof sealant and a thermal ultraviolet and heat resistant topcoat to protect against water ingress and environmental heat and cold. This dual layer system minimises or eliminates the need for internal roof insulation and/or air-conditioning

The ability of RTT products to insulate interior temperatures and reduce power consumption and air-conditioning costs results in an average 20% saving in electricity usage. Combined with the energy producing power of the solar panels, each 6sqm of your roof can generate 1kWh and save power at the same time. By installing a 30kWh system it will result in 180m² of your roof being converted to a power saving, energy producing, leak free area.

The RTT Sealant membrane and solar panel installations are delivering strong energy efficiency benefits to commercial, industrial and residential sectors throughout Australias metropolitan and rural regions.

John Wass
Chief Executive Officer
RTT (Roof Thermal Technology) Sealant

