



TRACTILE : THE SMARTER ROOF

TRACTILE is an Australian company and represents the best of Australian innovation to provide a patented SMARTER roofing and walling solution that integrates high performance composite materials with solar photo voltaic and solar thermal technologies. We call our approach Roof Integrated Photo Voltaic and Thermal (RIPV-T). In simple terms our RIPV-T product is smarter, it provides each property with: Roof + Electricity + Hot Water.

TRACTILE BENEFITS

The Tractile key product benefits are:

- Elegant: A well designed modern building material for roofs and wall cladding, in any required colour.
- Light and extremely strong: 300kg+ life loads, 300km/hr wind speeds.
- Product integration: roof + solar power + solar hot water from a single product.
- Efficient: cooling the PV cells, improves solar power performance and reduces hot water heating cost.
- Low cost of ownership: maintenance free, non-corrosive, does not break or dent, 30+ year durable roof, 25year / 80% solar PV performance warranty.
- Clean neat contemporary look: no edges or borders for leaves and branches to get stuck.
- Easy and fast to install: 1 Tractile Eclipse tile is 6 times larger than a concrete tile, and weights 8 kg vs. 4 to 5 kg for a single concrete tile (12 kg vs. 40-50 kg per sqm).

TRACTILE SUSTAINABLE CREDENTIALS

- Tractile roof generates solar power and solar heated hot water providing the average resident with savings up to 80% on electricity consumption compared with a standard residential family in SE Queensland
- Tractile strength and low weight per square meter means:
 - low cost and less emissions from transportation
 - savings on roof structure, i.e. less trusses
 - no damaged product (no broken tiles) and less scrap or wastage
- Tractile significantly outperforms concrete tiles and colorbond in terms of embodied energy:
 - in MJ, Tractile is 8 times more sustainable
 - in kg of CO₂, Tractile is 4.5 times more sustainable

TRACTILE TECHNICAL FEATURES

The Tractile product is extremely strong, does not corrode, dent, break (unlike concrete, metal and colorbond) and is interlocked with the roof battens. It scores very well on strengths and environmental specifications:

- Tractile is made from composite materials with superior performance attributes. The special Tractile formulation has the following properties: light weight, high strength, high impact resistance, fire retardant, non-toxic, non-electrically conducting, resistant to a wide range of chemicals.
- Tractile is engineered to withstand wind speeds of over 300 km per hour (Category 5 Tropical Cyclones 280 km/h)
- Tractile is engineered to withstand live loads between battens in excess of 250 kgs. (In comparison other roofing materials break or deform at 60kgs-100kgs)

We believe we offer a compelling proposition for commercial and residential designers and builders to commence building with TRACTILE. With growing demand for housing in regions such as North Queensland, the Northern Territory, and Western Australia, TRACTILE delivers a product that overcomes the real issues of cyclonic winds, high rainfall, shortages of skilled labour, expensive labour costs, and high transportation fees. A Tractile roof is built for today's challenging conditions, provides safety and energy independence in a sustainable manner.