



TecEco Pty Ltd is a new Tasmanian start up company with three exciting new technologies:

**Tec- cements (eg 5-10% MgO, 95-90% OPC.)**

Contain more Portland cement than reactive magnesia

- Reactive magnesia hydrates in the same rate order as Portland cement forming brucite which densifies, maintains a lower long term pH and due to it's low solubility, mobility and reactivity results in greater durability.
- Other benefits include improvements in strength, rheology, the use of a wider range of aggregates and less shrinkage

**Eco-cements (eg 50-75% MgO, 50-25% OPC)**

Contain more reactive magnesia than Portland cement

Brucite in porous materials eventually carbonates

- Forming strong fibrous cement minerals.
- Resulting in huge opportunities for CO<sub>2</sub> abatement.

**Enviro-cements (eg 50-75% MgO, 50-25% OPC)**

- Contain more reactive magnesia than Portland cement
- For toxic and hazardous waste immobilisation

*TecEco Science Creating a Sustainable Future!*

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