

EnviroFill

(Recycled cement fibre board)

Can be supplied to the following specifications:
RMS R44, RMS 3071, Australian Standard 3798, along with various council
and contract specific requirements.

Overview

SCE Recycling produces a high quality structural fill material from a controlled waste stream of cement fibre board which would otherwise be destined to landfill, losing the opportunity to recycle and reuse a sound civil construction resource.



Waste cement fibre board is accepted at our two EPA licensed Resource Recovery facilities located at Mayfield and Wollongong NSW.

The waste cement fibre board is stockpiled and separated of any unsuitable materials. Once separated it is crushed and screened using the latest equipment producing a well graded 14mm nominally sized well graded fill material.

Prior to sale stockpiled material is also sampled and tested to ensure compliance in accordance with the resource recovery order under part 9, Clause 93 of the Protection of the Environment Operations (Waste) Regulation 2014.

Technical Data

Physical Properties:

*note - all results are indicative only. * values obtained using test method AS1289.5.1.1 standard compaction.*

MDD*: (Maximum Dry Density)	1.30t/m ³
MWD*: (Maximum Wet Density)	1.76t/m ³
OMC*: (Optimum Moisture Content)	35.0%
CBR*: (California Bearing Ratio)	>40%
PI: (Plasticity Index)	<5%
UCS*: (Unconfined Compressive Strength)	1.0MPa

Indicative Particle size distribution

EnviroFill material is stockpiled, and when required, tested and certified using an independent laboratory issuing NATA accredited reports.



Common Applications

- Select/Structural fill - Suitable for use in the construction of roads, car parks and footpaths with a low bulk density / high bearing strength ratio compared to naturally sourced fill material with similar dry density properties.
- Engineered Fill - Suitable for use as a general engineered fill.
- Pipe Backfill - Suitable for use as pipe bedding, haunch and overlay backfill material.
- Can be blended with other materials to meet specific client requirements.

Benefits

Benefits from using recycled materials in roads and other civil works include:

- Protecting the environment from further degradation.
- Potential cost savings.
- Ensuring local industry is working towards international best practice.
- Assisting local government and industry to ensure development is ecologically sustainable.

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