



## TerraNova Crushed Glass Projects



### ENTRANT

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### CATEGORIES ENTERED

Innovative Use of  
Surplus Waste Container  
Glass



### SPECIAL FEATURES



It is no secret that New Zealand is currently in the middle of something of a glass crisis when it comes to recycling! This is evident by the stockpiles of glass and the number of cities turning away from recycling glass altogether. The South Island is particularly hard hit as the high costs of transport to the only recycling plant in New Zealand - OI - is in Auckland.



In Christchurch City / Waimakariri District around 10,000 tonnes of container glass is recovered every year and approx 60-70% is sent to Auckland for re-melting. This leaves 3-4,000 tonnes which alternative uses must be found.



TerraNova has worked on developing alternative solutions. Some currently in use and commercially viable, others are still in trial phases but all alternatives involve glass sand made from waste container glass.



Glass jars and bottles are collected through kerb side collection or recycling centres, then go through a complex process to produce well graded contamination free glass sand. A drier removes labels and burns off excess food etc. The cullet then passes through a crusher and is screened to produce different grades of sand.



TerraNova produces BLAST GLASS for the sandblasting industry and FILTERCRYSTAL as a filter media in swimming and spa pools. It is superior to traditional sand filtration methods, providing cleaner water, more efficient operations and cheaper running costs.



**CURRENTLY TRIALING :** A new product that can be used as a waste water and septic tank filter media.  
**OTHER MARKETS :** TerraNova also provides crushed glass for aluminium moulds, coating for decromastic roof tiles and as a decorative grit coat on letterboxes and wall mouldings.

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