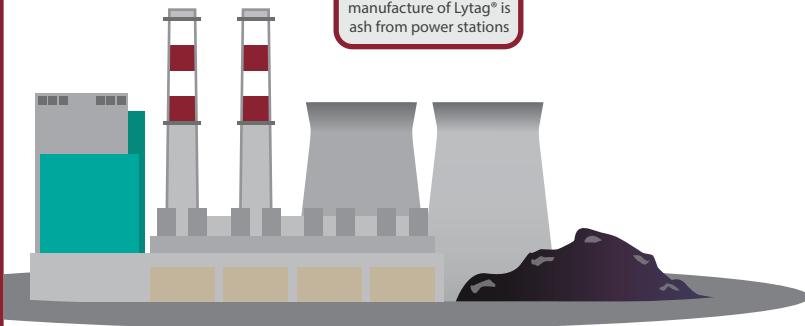


How It's Made

LYTAG®

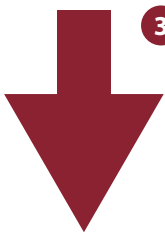
1 Raw materials used in the manufacture of Lytag® is ash from power stations



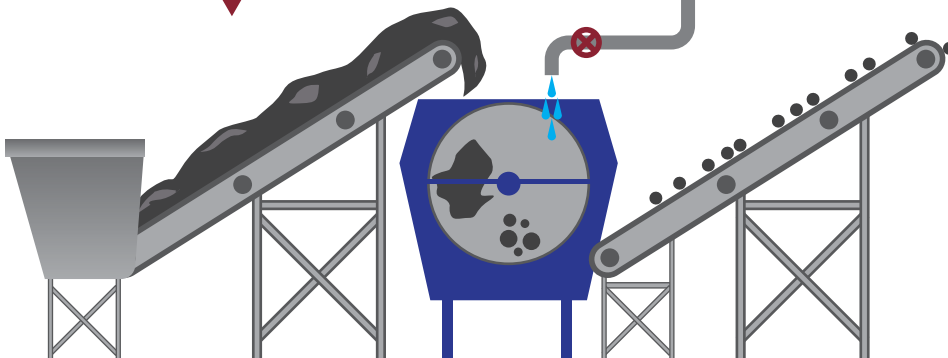
2 Waste traditionally sent to landfill sites is recycled into Lytag® reducing environmental impact



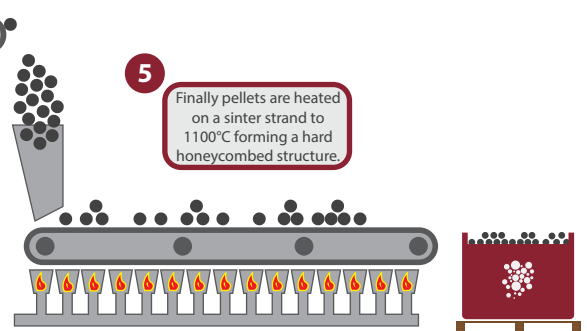
3 Lytag® is made by pelletising the ash



4 Water is added via specially designed pelletising pans, rounded pellets are slowly formed



5 Finally pellets are heated on a sinter strand to 1100°C forming a hard honeycombed structure.



	Product Code	Particle Size (mm)	Approx' Density (Kg / m³)
Lytag Geo fill® Lightweight Expanded Aggregate	7830	8-14 mm	810 Kg/m³
Lytag® 4-8mm Lightweight Expanded Aggregate for Lightweight Floor & Roof Screed	7831	4-8 mm	810 Kg/m³
Lytag® 4-14mm Lightweight Expanded Aggregate for Lightweight Concrete	7832	4-14 mm	810 Kg/m³

Lytag Production

The raw material used in the manufacture of lightweight aggregate is power station ash. This is the by product produced from electricity production in coal-fired power stations. The aggregate is called 'sintered pulverised fuel ash lightweight aggregate', more commonly known as Lytag®. Lytag® is made by pelletising the fly ash. By adding a controlled amount of water in specially designed dish pelletising pans, rounded pellets are formed.

The pellets are then heated on a sinter strand to a temperature of 1100°C. The result is a hard, honeycombed structure of interconnecting voids within the aggregate. The particles formed are rounded in shape and generally range in size from 14mm down to fines; these are processed to the required grading, depending on the final use.

Lytag® products are classed as secondary aggregates, manufactured from a waste stream. This means that the quantity of fly ash being tipped is reduced and virgin aggregate extraction is also reduced. By considering the use of Lytag® products at an early stage in the design process there is the potential to reduce the quantities of virgin construction material in a project, leading to overall cost savings.

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