



GARSDIE NRG SAND

Aggregate Industries NRG Sand is specially designed sand for energy storage within a Sand battery.

A sand battery is a high temperature thermal energy storage that uses sand. This is done by resistance heating working principle, sand is charged up with the heat from excess solar and wind electricity. This can heat the sand to more than 500 degrees Celsius, which in turn heats the air. The hot air passes through the Sand battery and circulates through a series of pipes. The heat energy can be stored for several months and converted on demand.

When power demand is high and supply is low, the sand battery system can exhaust hot air into a heat exchanger where water is heated.

SPECIFICATION

SIEVE SIZE (mm)	SPECIFICATION
2.0	100
1.0	95 - 100
0.5	12 - 32
Particle Density Apparent	2.68 Mg/m ³
pH	7.6

SUSTAINABILITY & LOCAL SOURCING

ENERGY USE AND GREENHOUSE GAS EMISSIONS:

Aggregate Industries is at the forefront of sustainability and has committed to reducing both energy and greenhouse gas intensity 5% year-on-year.

RECYCLABLE

100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

MANUFACTURING LOCATION: Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

CIRCULAR ECONOMY: We will maximise reuse and recycle, with zero waste to landfill. We improve resource efficiency through reuse, recovery and/or recycling of waste materials in our production processes. Plus, we minimise the generation of both hazardous and non-hazardous waste.

RESPONSIBLE SOURCING: Aggregate Industries is the first company in the world to achieve accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

Aggregate Industries has achieved a 'Very Good' rating for major product groups. The BES 6001 standard assesses:

- ▶ Quality Management
- ▶ Environmental Management
- ▶ Health and Safety Management
- ▶ Greenhouse Gas Emissions
- ▶ Minimising Raw Material Usage
- ▶ Labour Practice
- ▶ Biodiversity
- ▶ Community Engagement

MANUFACTURING STANDARD

All aggregate Industries products are manufactured in accordance with ISO 9001 with factory compliance to ISO 14001.

POLICIES

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com.

COSHH DATA

Full COSHH data is available on request. Please call **01698 870970** for more information.

TECHNICAL SUPPORT

Detailed guidance and assistance for specification and use of aggregate products is available through the sales office. A free technical service is also available. For further information, please refer to our technical services on **0845 600 0860**.

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