

# AGGREGATE INDUSTRIES

Specialist silica sands

## Garside Sands 8/16 sand



A dried silica sand to the requirements of BSEN 12904 (see standards tables).

### Applications

- Fillers
- Water filtration
- Brick manufacture.

### Sectors

- Filler and flooring
- Water filtration
- Industrial and manufacturing.

### Available in

- Loose: both bulk pressurised tankers and tippers
- Bulk bags (tote)
- 25kg and 12.5kg poly bags.

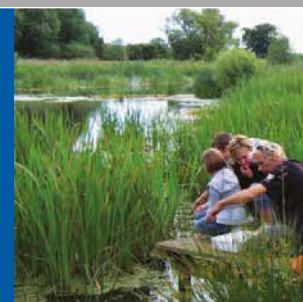
### Mechanical analysis

Sieve size (mm)	Specification (% Passing)
2.36	100
2.00	95 - 100
1.70	65 - 100
1.40	20 - 75
1.18	5 - 30
1.00	0 - 5
0.85	0 - 1

Colour	Brown
Specific gravity	2.65
Uncompacted bulk density	1.56 t/m <sup>3</sup>
Nominal effective size	1.05 - 1.27mm
Uniformity coefficient	<1.4mm

### Garside 8/16 sand

Size range:	2.00 – 1.00mm
Source:	Leighton Buzzard, Bedfordshire
Geology:	Lower Greensand of the Cretaceous period
Composition:	Quartz
Grain shape:	Sub angular to rounded



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## Manufacturing standard

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

## Chemical analysis

Chemical analysis		%
Silica	SiO <sub>2</sub>	96.36
Alumina	Al <sub>2</sub> O <sub>3</sub>	0.08
Titania	TiO <sub>2</sub>	0.03
Iron	FE <sub>2</sub> O <sub>3</sub>	6.458
Magnesium	MgO	<0.01
Calcium	CaO	0.01
Sodium	Na <sub>2</sub> O	<0.01
Potassium	K <sub>2</sub> O	<0.01
Phosphate	P <sub>2</sub> O <sub>5</sub>	0.01
Chromium	Cr <sub>2</sub> O <sub>3</sub>	0.024
Manganese	MnO <sub>2</sub>	<0.005
Loss on ignition @ 1000°C	L on I	0.64

The above figures only relate to one specific test.

## Sustainability and local sourcing

**Energy use:** Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

**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.

**Responsible sourcing:** Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

## 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](http://www.aggregate.com)

## COSHH data

Full COSHH data on Garside Sands products is available on request. Please call the Technical helpline on 01525 237911.

## Technical support

Detailed guidance and assistance with the preparation of specification and use of Garside Sands products is available through the sales offices. A free technical service is also available.

**Please call Garside Sands Technical Services on 01525 237911**

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