

# AGGREGATE INDUSTRIES

Specialist silica sands

## Garside Sands washed sharp sand



A washed sharp sand conforming to BS EN 12620, 13043, 13139.

### Applications

- Ready-mix concrete
- Screeding
- External plastering
- Drainage.

### Sectors

- Industrial and manufacturing
- Sports and leisure.

### Available in

- Loose: tippers
- Bulk bags (tote).

### Mechanical analysis

Sieve size (mm)	Specification (% Passing)
6.30	100
4.00	98 - 100
2.80	-
2.00	85 - 100
1.00	60 - 100
0.500	30 - 70
0.250	0 - 40
0.125	-
0.063	0.0 - 10.0

Colour	Brown
Particle density	2.67
Water absorption	0.7
pH	7.6
Loose bulk density	1.59 mg/m <sup>3</sup>

### Garside washed sharp sand

**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>	88.59
Alumina	Al <sub>2</sub> O <sub>3</sub>	1.01
Titania	TiO <sub>2</sub>	0.06
Iron	FE <sub>2</sub> O <sub>3</sub>	7.75
Magnesium	MgO	<0.03
Calcium	CaO	0.02
Sodium	Na <sub>2</sub> O	<0.03
Potassium	K <sub>2</sub> O	0.20
Phosphate	P <sub>2</sub> O <sub>5</sub>	0.14
Chromium	Cr <sub>2</sub> O <sub>3</sub>	0.0056
Manganese	MnO <sub>2</sub>	0.02
Loss on ignition @ 1000°C	L on I	2.0

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**

Garside Sands, Eastern Way, Heath & Reach,  
Leighton Buzzard, Bedfordshire, LU7 9LF

Tel: 01525 237911

Fax: 01525 237991

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



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