

# AGGREGATE INDUSTRIES

Specialist silica sands

## Garside Sands Ironsand



A fine top dressing sand.

### Applications

- Top dressing
- Rootzone mix
- Slit drainage
- Lime mortar sand.

### Sectors

- Sports and leisure
- Industrial and manufacturing.

### Available in

- Loose: tippers
- Bulk bags (tote).

### Mechanical analysis

| Sieve size (mm) | Specification (% Passing) |
|-----------------|---------------------------|
| 1.00            | 100                       |
| 0.50            | 40 - 95                   |
| 0.355           | 15 - 65                   |
| 0.25            | 0 - 30                    |
| 0.18            | 0 - 20                    |
| 0.150           |                           |
| 0.125           | 0 - 10                    |

| Colour                    | Brown  |
|---------------------------|--------|
| Specific gravity apparent | 2.74   |
| Water absorption          | 0.4    |
| Soluble chloride salts    | 0.0009 |
| Sulphate content          | 0.007  |
| pH                        | 7.6    |

### Garside Ironsand

|              |  |
|--------------|--|
| Size range:  | 1.00 – 0.18mm                            |
| Source:      | Leighton Buzzard, Bedfordshire           |
| Geology:     | Lower Greensand of the Cretaceous period |
| Composition: | Quartz                                   |
| Grain shape: | Sub angular to rounded                   |



# Garside Sands Ironsand

## 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>               | 87.54 |
| Alumina                   | Al <sub>2</sub> O <sub>3</sub> | 1.01  |
| Titania                   | TiO <sub>2</sub>               | 0.084 |
| Iron                      | FE <sub>2</sub> O <sub>3</sub> | 9.18  |
| Magnesium                 | MgO                            | 0.1   |
| Calcium                   | CaO                            | 0.06  |
| Sodium                    | Na <sub>2</sub> O              | 0.03  |
| Potassium                 | K <sub>2</sub> O               | 0.17  |
| Phosphate                 | P <sub>2</sub> O <sub>5</sub>  | 0.01  |
| Chromium                  | Cr <sub>2</sub> O <sub>3</sub> | 0.01  |
| Manganese                 | MnO <sub>2</sub>               | 0.02  |
| Loss on ignition @ 1000°C | L on I                         | 1.9   |

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)



The information contained within this publication was accurate at time of production. However, Aggregate Industries reserves the right to introduce modifications or changes to detail at any time without notice. No charge is levied for this publication or advice therein, and accordingly the company, its employees and authorised agents can accept no liability whatsoever, either indirectly or directly arising from the use of its products in connection with any information or advice contained in this guide.