

Specialist silica sands

## Garside Sands 80EW sand



A fine dried silica sand designed around the American Foundry Society number 80 (AFS 80).

### Applications

- Fillers: such as adhesives, grouts, floor levelling compounds etc
- Pet products
- Foundry.

### Sectors

- Filler and flooring
- Pet care products
- Industrial and manufacturing.

### Available in

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

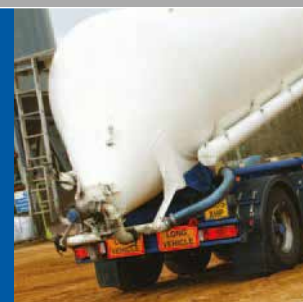
### Mechanical analysis

Sieve size (mm)	Specification (% Passing)
1	100
0.710	95 - 100
0.500	90 - 100
0.355	75 - 100
0.250	50 - 99
0.180	5 - 95
0.125	0 - 45
0.09	0 - 10
0.063	0 - 5

Colour	Ivory
Specific gravity apparent	2.68
Uncompacted bulk density	1.38 t/m <sup>3</sup>
Compacted bulk density	1.52 t/m <sup>3</sup>
Nominal effective size	1.3 - 0.25mm
Uniformity coefficient	1.3 - 2.8mm
Water absorption	0.1%

### Garside 80EW sand

Size range:	0.50 - 0.063mm
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>	96.15
Alumina	Al <sub>2</sub> O <sub>2</sub>	0.47
Titania	TiO <sub>2</sub>	0.24
Iron	FE <sub>2</sub> O <sub>3</sub>	0.31
Magnesium	MgO	1.40
Calcium	CaO	0.04
Sodium	Na <sub>2</sub> O	0.15
Potassium	K <sub>2</sub> O	0.35
Phosphate	P <sub>2</sub> O <sub>5</sub>	0.55
Chromium	Cr <sub>2</sub> O <sub>3</sub>	0.00
Manganese	MnO <sub>2</sub>	0.02
Loss on ignition @ 1000°C	L on I	0.33

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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