

GARSDIE SANDS 14/25 SAND



Garside Specialist Sands 14/25 is a high quality, 1.18-0.60mm technically graded material, typically composed of a high silica content. A natural sand, consisting of sub-angular to rounded particles, produced in a quality controlled environment in accordance with ISO 9001, possessing a highly consistent particle range. This uniformity makes it desirable for applications that require reliable permeability, high mechanical strength, and predictable void space.

FEATURES & BENEFITS

- ▶ **Efficient filtration:** Our sand is processed to provide a fine, uniform grain size that enhances its filtration capabilities. It effectively removes suspended matter, floating particles, and even dissolved organic chemicals, resulting in high-quality, purified water.
- ▶ **Sustainable:** Silica sand is a chemically inert, naturally occurring material, making it a highly cost-effective option for water treatment. Its affordability, combined with minimal maintenance requirements, ensures long-term value while being environmentally friendly.
- ▶ **Durability:** Sand is one of the most durable mineral resources. Designed for various filtration systems, including rapid sand filters used in municipal drinking water facilities, our sand can withstand significant pressure differentials, providing consistent filtration performance.

APPLICATIONS

- ▶ Fillers: such as adhesives, grouts, floor levelling compounds, etc.
- ▶ Sand batteries
- ▶ Water filtration (BSEN 12904)
- ▶ Fluidised bed boilers.
- ▶ Transport
- ▶ Industrial and manufacturing
- ▶ Sports and leisure

AVAILABLE IN

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

SPECIFICATION

- ▶ Size range: 1.18 – 0.60mm
- ▶ Source: Leighton Buzzard, Bedfordshire
- ▶ Geology: Lower Greensand of the Cretaceous period
- ▶ Composition: Quartz
- ▶ Grain shape: Sub angular to rounded

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TECHNICAL DATA

Sieve size (mm)	Specification
1.40	100
1.18	95 - 100
1.00	65 - 100
0.85	10 - 75
0.71	0 - 30
0.60	0 - 5
0.50	0 - 1

Colour	Brown
Specific gravity	2.66
Uncompacted bulk density	1.49 t/m ³
Nominal effective size	0.63 - 0.85mm
Uniformity coefficient	<1.4mm

CHEMICAL ANALYSIS

Chemical analysis		%
Silica	SiO ₂	96.67
Alumina	Al ₂ O ₃	0.33
Titania	TiO ₂	0.03
Iron	FE ₂ O ₃	2.40
Magnesium	MgO	<0.01
Calcium	CaO	0.01
Sodium	Na ₂ O	0.03
Potassium	K ₂ O	0.01
Phosphate	P ₂ O ₅	<0.01
Chromium	Cr ₂ O ₃	0.02
Manganese	MnO ₂	<0.005
Loss on ignition @ 1000°C	L on I	0.48

The above figures only relate to one specific test.

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SUSTAINABILITY & LOCAL SOURCING

Energy use and greenhouse gas emissions

Holcim UK 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

Holcim UK was the first UK construction company to achieve accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

Holcim UK 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.

POLICIES

Holcim UK policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.holcim.co.uk.

COSHH DATA

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

MANUFACTURING STANDARD

All Holcim UK products are manufactured in accordance with ISO 9001 with factory compliance to ISO 14001.

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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