

GARSDIDE SANDS 16/30 SAND



Garside Specialist Sands 16/30 is a high quality, 1.00-0.50mm 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

- ▶ **Exceptional Consistency:** The carefully selected particle range results in a highly uniform product with consistent hydraulic and mechanical properties, ensuring predictable performance across all applications.
- ▶ **High Permeability:** The controlled grain size and sub-angular to rounded shape ensure a reliable and effective flow rate, crucial for efficient water filtration and specific industrial proppant applications.
- ▶ **Extreme Durability and Crush Resistance:** This material exhibits superior mechanical strength, allowing it to withstand high compressive loads and abrasive forces without fracturing, making it suitable for high-stress industrial environments.
- ▶ **High Purity and Low Solubility:** Its high silica content ensures the material is chemically inert and highly resistant to most common acids and bases, guaranteeing longevity and stable performance in chemically aggressive environments.

- ▶ **Versatile Application:** Ideal for use as high-performance filter media (ensuring high turbidity removal), as a fine traction aggregate, or as a key component in specialised grouts and protective coatings.

APPLICATIONS

- ▶ Fillers: such as adhesives, grouts, floor levelling compounds, etc.
- ▶ Fluidised bed boilers
- ▶ Sand battery
- ▶ Water Filtration.
- ▶ Synthetic sports pitches

AVAILABLE IN

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

SPECIFICATION

- ▶ Size range: 1.00 – 0.50mm
- ▶ 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
1.18	100
1.00	95 - 100
0.85	60 - 90
0.71	10 - 75
0.60	0 - 25
0.50	0 - 5
0.355	0 - 1

Colour	Brown
Specific gravity Mg/m3	2.64
Water absorption	1.56
Nominal effective size	0.54 - 0.71mm
Uniformity coefficient	<1.4mm

CHEMICAL ANALYSIS

Chemical analysis		%
Silica	SiO ₂	98.29
Alumina	Al ₂ O ₃	0.31
Titania	TiO ₂	0.02
Iron	FE ₂ O ₃	1.29
Magnesium	MgO	<0.01
Calcium	CaO	<0.01
Sodium	Na ₂ O	<0.01
Potassium	K ₂ O	0.00
Phosphate	P ₂ O ₅	<0.01
Chromium	Cr ₂ O ₃	0.0002
Manganese	MnO ₂	<0.005
Loss on ignition @ 1000°C	L on I	0.19

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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