

GARSDIE SANDS 10/18 SAND



A dried silica sand to the requirements of BSEN 12904
(see standards tables).

APPLICATIONS

- ▶ Water filtration
- ▶ Traction sand.

SECTORS

- ▶ Water filtration
- ▶ Transport.

AVAILABLE IN

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

BENEFITS



Improved Traction

When a train needs to stop or slow down, the wheels apply a braking force to the tracks. Sand, when applied to the rails, increases the friction between the wheels and the tracks, providing better grip and reducing the chances of slipping.



Enhanced Safety

By improving traction, sand helps trains stop more effectively, which is crucial for maintaining safety, particularly in emergencies. In situations where the train needs to come to a sudden stop, having sufficient friction can prevent accidents.



Braking Performance

Sand ensures that braking performance remains consistent, even in adverse weather conditions. Whether the tracks are wet, icy, or covered in leaves, the application of sand can help maintain a steady braking force, ensuring the train operates safely and efficiently.

GARSDIDE SANDS

10/18 SAND



SPECIFICATION

Source	Leighton Buzzard, Bedfordshire
Geology	Lower Greensand of the Cretaceous period
Composition	Quartz
Grain shape	Sub angular to rounded
Size range	1.70 – 0.85mm

Sieve size (mm)	Specification (% Passing)
2.00	100
1.70	95 - 100
1.40	50 - 95
1.18	10 - 60
1.00	0 - 30
0.85	0 - 5
0.71	0 - 1

Colour	Brown
Specific gravity	2.65 Mg/m ³
Uncompacted bulk density	1.56 t/m ³
Nominal effective size	0.9 - 1.18mm
Uniformity coefficient	<1.4mm

CHEMICAL ANALYSIS

Chemical analysis	Periodic Element	%
Silica	SiO ₂	97.32
Alumina	Al ₂ O ₃	0.2
Titania	TiO ₂	0.023
Iron	FE ₂ O ₃	2.14
Magnesium	MgO	0.03
Calcium	CaO	0.015
Sodium	Na ₂ O	0.01
Potassium	K ₂ O	0.02
Phosphate	P ₂ O ₅	<0.01
Chromium	Cr ₂ O ₃	0.0003
Manganese	MnO ₂	0.012
Loss on ignition @ 1000°C	L on I	0.05

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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

MANUFACTURING STANDARD

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

POLICIES

Holcim 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 **01525 237911** for more information.

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 **01525 237911**.

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