

GARSDIE SANDS EW80 & EW80F SAND



Garside Specialist Sands EW80/80F is a high quality, 0.50-0.063mm 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

- ▶ **Stability:** Our sand is ideal for creating robust, interlocking structures when mixed with materials like cement. The irregular shape and coarse surface of the sand particles improve the bond between cement and aggregate, leading to more durable structures. This ensures that the buildings can withstand heavy loads and environmental pressures over time.
- ▶ **Durability:** Sand is essential for reducing the risk of settling and ensuring structural soundness. It also enhances the resilience of construction materials against weathering and erosion, which significantly extends the lifespan of your structures.

- ▶ **Workability:** Sand enhances the workability of construction materials, making them easier to mix, shape, and finish. The fine particles fill voids between larger aggregates, producing smooth and workable mixtures for concrete, mortar, plaster, and more. Our sand is also highly adaptable, making it suitable for a wide range of construction applications.

APPLICATIONS

- ▶ Fillers: such as adhesives, grouts, floor levelling compounds etc.
- ▶ Foundry
- ▶ Industrial and manufacturing

AVAILABLE IN

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

SPECIFICATION

- ▶ 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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TECHNICAL DATA - EW80

Sieve size (mm)	Specification
1.0	100
0.710	95 - 100
0.5	90 - 100
0.355	75 - 100
0.25	50 - 99
0.18	5 - 95
0.125	0 - 45
0.09	0 - 10
0.063	0 - 5

Colour	White/ low colour
Particle Density Apparent	2.68 Mg/m ³
Water absorption	0.1%
Uncompacted bulk density	1.38 Mg/m ³
Nominal effective size	0.075 - 0.5mm
Uniformity coefficient	2.2

CHEMICAL ANALYSIS

Chemical analysis		%
Silica	SiO ₂	96.15
Alumina	Al ₂ O ₃	0.47
Titania	TiO ₂	0.24
Iron	FE ₂ O ₃	0.31
Magnesium	MgO	1.40
Calcium	CaO	0.04
Sodium	Na ₂ O	0.15
Potassium	K ₂ O	0.35
Phosphate	P ₂ O ₅	0.55
Chromium	Cr ₂ O ₃	0.00
Manganese	MnO ₂	0.02
Loss on ignition @ 1000°C	L on I	0.33

The above figures only relate to one specific test.

TECHNICAL DATA - EW80F

Sieve size (mm)	Specification
1.0	100
0.710	100
0.5	98 - 100
0.25	70 - 85
0.15	0 - 45
0.075	0 - 2

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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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