



Type 1 is a graded angular material that can be produced from a number of aggregate types including crushed rock, crushed slag or recycled aggregates.

The material is designed to meet the requirements Specification for Highway Works Series 800 subclause 803.

Type 1 Sub Base is predominantly 40mm aggregate graded down to dust. The material shall be laid and compacted to form a level stable construction layer as a platform for asphalt or concrete installation. It is typically used in the construction of highways, car parks, footways and hard standing areas.

BENEFITS



High Load-Bearing Capacity

Type 1 is renowned for its excellent load-bearing properties. Once compacted, it provides a strong and stable foundation that can support heavy loads such as vehicles, construction equipment, and structures. This makes it ideal for roads, driveways, and car parks, where significant weight is applied over time.



Resistance to erosion

Type 1 consists of a well-graded mixture of crushed stone and fine materials, which allows it to compact tightly and create a solid, stable sub-base layer. Its ability to form a dense, interlocking structure ensures minimal movement or settlement, providing long-term stability to any surface built on top of it.



Frost Resistance

Type 1 offers good frost resistance, as its fine materials and compaction reduce water penetration into the sub-base. By limiting water retention, it minimizes the risk of frost heave and cracking in colder climates, which is critical for maintaining structural integrity during freeze-thaw cycles.

SPECIFICATION

Material Description	0/31,5mm Type 1 803
Designation	0/31,5
Maximum Fines	UF ₉
Oversize	OC ₇₅
Overall Grading	GP

Sieve size (mm)	PERCENTAGE BY MASS PASSING		
	Overall grading range	Supplier declared value grading range	Tolerance on the supplier declared value
63	100	-	-
31.5	75 - 99	-	-
16	43 - 81	54 - 72	±15
8	23 - 66	33 - 52	±15
4	12 - 53	21 - 38	±15
2	6 - 42	14 - 27	±13
1	3 - 32	9 - 20	±10
0.063	0 - 9	-	-

GRADING OF INDIVIDUAL BATCHES - DIFFERENCE IN VALUES PASSING SELECTED SIEVES

Retained sieve size (mm)	Passing sieve size (mm)	PERCENTAGE BY MASS PASSING	
		Not less than	Not More than
8	16	7	30
4	8	7	30

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 **01698 870970** 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 **0845 600 0860**.

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