RECYCLED TYPE 1

Recycled Type 1 aggregate is highly versatile and perfect for a wide range of construction and landscaping applications. It's produced by crushing and screening inert construction and demolition waste, primarily concrete and brick, into a well-graded aggregate that meets the performance standards of virgin quarried aggregates.

Choosing Recycled Type 1 not only provides a cost-effective solution but also significantly reduces the demand for virgin resources, minimises landfill waste, and lowers the carbon footprint of your project.

BENEFITS

Sustainable Choice
Decreases the need for finite natural resources, while also preventing waste from ending up in landfills.

Cost-Effective
Tends to be a more economical option compared to using raw natural resources.

Excellent Compaction
Can achieve high levels of compaction, providing a stable and durable sub-base.

Versatile
Suitable for a broad spectrum of applications.

APPLICATIONS

- Sub-bases for roads, driveways, and car parks: Provides a strong and stable foundation.
- Hardstandings: Ideal for creating level and durable surfaces.
- Building foundations: Offers a reliable base for structures.
- General fill material: Suitable for backfilling trenches and excavations.
- Oversite fill: Used to raise ground levels.
- Pathways and patios: Can be used as a stable base layer.

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RECYCLED TYPE 1

SPECIFICATIONS FOR RECYCLED TYPE 1 AGGREGATE:

Recycled Type 1 is produced to meet the requirements of a "granular sub-base material" as outlined in Clause 803 (Type 1 granular sub-base) of the Specification for Highway Works (SHW), often referred to as MCHW Volume 1. While the exact composition can vary, the key specifications typically include:

Material Composition: Primarily crushed concrete and brick, with minimal amounts of other inert materials (e.g., asphalt, natural stone). It should be free from contaminants such as plastic, timber, metal, and excessive fines.

Grading (Particle Size Distribution): The aggregate is well-graded, meaning it contains a wide range of particle sizes from fines up to a maximum size, which allows for excellent interlocking and compaction. Typical grading limits are:

Maximum Particle Size: Generally 40mm

Contaminant Levels: Strict limits on the presence of organic matter, sulfates, chlorides, and other potentially deleterious materials. These are typically tested to ensure the material is inert and won't cause issues with future construction.

Durability: The material should be durable and resistant to breakdown under traffic loading and environmental exposure.

Material Description	0/31,5mm Type 1 803
Designation	0/31,5
Maximum Fines	UF_9
Oversize	OC_{75}
Overall Grading	GP

GRADING SPECIFICATION

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

RECYCLED TYPE 1

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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