



Rip Rap is also known as Armourstone or Rock Armour Stone. Rip Rap is a large, heavy, natural stone typically utilised for erosion control and coastal protection. Holcim UK produces a size range from 300-500mm and 500-700mm. It's an effective choice for the protection of shorelines, structures and rivers offering long lasting wave dissipation and scour protection.

Rip Rap acts as a wall of armour along the seafront, river banks or streams in order to protect the infrastructure around it, prevent any chance of soil erosion caused by rain or run off, with excellent drainage properties in order to maintain the structure of the land.

BENEFITS



Permeability

Manufactured size ranges in order to prevent sea water from eroding infrastructure.



Resistance to erosion

Rip Rap is designed to withstand the test of time due to its hard wearing properties. The product is a quality granite rock, highly resistant to water erosion.



Shape & Dimension

Can be combined to create all shapes and sizes to meet each requirement. The rocks can easily interlock together to dissipate energy from the waves.

SPECIFICATION

Material: 300-500mm

Mass size (Kg)	Typical Grading (%)
450	100
300	98
60	4
30	1

Material: 500-700mm

Mass size (Kg)	Typical Grading (%)
1501 – 2000	100
1000 – 1500	100
650 – 999	75
301 – 649	0
199 – 300	0
0 – 199	0

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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