



Star Performer is a versatile, innovative, all-in-one aggregate block for housebuilders. It can be used for the external and internal leaves of cavity walls below and above the damp proof course (DPC). It can also be used as the infill block in block and beam flooring, and is the only concrete cellular block that can be used in party walls between separate dwellings.

FEATURES & BENEFITS

- ▶ The cellular structure delivers exceptional thermal and acoustic performance while being lighter to transport and handle.
- ▶ The voids provide superior thermal performance that support the requirements of the Future Homes Standard.
- ▶ The only cellular aggregate block with Robust Details for use in walls that separate dwellings, so no on-site sound testing is required.
- ▶ Three visible splitter cores make cutting easy and accurate, saving time and reducing waste.
- ▶ The dense aggregate composition provides an exceptional strength-to-weight ratio of up to 10.4 N/mm² at 15kg.
- ▶ With 24% less water and aggregate used in manufacturing, it provides a more sustainable solution compared to solid blocks.

APPLICATIONS

- ▶ Ensures insulation and structural support for the inner leaf of walls.
- ▶ Provides enhanced soundproofing and division for interior spaces and partition and party walls.
- ▶ Minimum 7.3 N/mm² strength makes it suitable for beam and block flooring.
- ▶ Suitable for use below DPC in soils up to and including DS-3 as defined in BRE Special Digest 1.*

COMPLEMENTARY PRODUCTS

- ▶ Star Performer Foundation
- ▶ Holcim Coursing Bricks and Blocks*
- ▶ Holcim Mortar
- ▶ Holcim Cement

Environmental Product Declarations are available*. Designed and manufactured to BS EN 771-3.

*Speak to your sales representative or call our technical department for details.

TECHNICAL DATA

Block Type	Cellular	
Face Size (mm)	440x215	
Thickness (mm)	100	
Dimensional Tolerances	D1	
Mean Unit Strength (N/mm²)	3.6 - 10.4	
Net Dry Density (kg/m³)	1960	
Thermal Conductivity (W/mK) Based on tabulated values from BS EN 1745	Internal	0.649
	External	-
Thermal Resistance (m²K/W)	3% Moisture	0.154
	5% Moisture	-
Fire Resistance (hrs) Based on data from NA to EC6 Part 1-2, single leaf walls with no finishes. Assumed <1.0 of the permitted load capacity is being used	Load-bearing	2
	Non load-bearing	4
Reaction to Fire Classification to EN 13501-1	Class A1	
Moisture Movement (mm/m)	<0.5	
Water Vapour Diffusion Coefficient μ Based on tabulated values from BS EN 1745	5/15	
Durability Based on tabulated values in accordance with table 15, PD 6697:2010	3.6 N - Not Frost Resistant 7.3 N & Above - Frost Resistant	
Bond Strengths (N/mm²) Based on tabulated values from BS EN 998-2 Annex C	0.15	
Mortar Designation	Class iii for walls above DPC	1:1:6 Cement:Lime:Sand 1:5 to 6 Cement:Sand
	Class ii for walls below DPC	1:1/2:4 Cement:Lime:Sand 1:3 to 4 Cement:Sand

Product Data	Cellular 3.6 N - 10.4 N
Thickness	100
Unit Weight (kg) Based upon 3% moisture content by weight	14.50
Laid Weight (kg/m ²)	154
Pack Size (m ²)	9.0
Full Load Qty (m ²)	171
Available Finishes	Standard

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 on the Holcim range of products is available on request. Please email building.products@holcim.co.uk.

MANUFACTURING STANDARD

The Star Performer range is manufactured using a semi-dry process and is compliant to European Standard BS EN 771-3 and complies with Assessment and Verification of Constancy of Performance (AVCP) system 4, Category II masonry units. All Holcim products are manufactured in accordance with ISO 9001 with factory compliance to ISO 14001.

TECHNICAL SUPPORT

Detailed guidance and assistance with the preparation of specification and use of the Holcim range of products is available through the sales office. Holcim's technical team offers full SAP assessments through to EPC stage, and we have two fully accredited air leakage testing teams available. Speak to your business development manager for more information.

For technical support, contact our technical services team at building.products@holcim.co.uk or on **01285 646900**, or speak to your local sales representative.

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