



AB One (1° Setback)

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Detailed description

Allan Block is a hollow-core, dry-stacking concrete block for the construction of retaining walls. Designed with a 1° raised front lip which automatically establishes the setback from vertical.

Manufactured from a mixture of aggregates (65% recycled secondary aggregate content) and cement.

Features and benefits:

- Cost-effective and versatile.
- Offers high performance, quality, and lasting value.
- Expected lifespan of 120 years (if designed and built in accordance with its British Board of Agrément (BBA), Roads and Bridges certificate).
- Includes a hollow-core design which makes blocks easy to handle, promotes drainage and becomes solid when filled with stone.
- Anti-climb.
- No need for pins, clips or mortar.
- Can be constructed regardless of weather conditions.
- Built-in drainage.
- Durable and maintenance-free.
- Freeze-thaw resistance.
- High strength, durable block.
- Efflorescence-free.

Applications:

Suitable for:

- All types of road and rail infrastructure projects that require approval by the Highways Agency (as the product holds a BBA Roads and Bridges certificate).
- Large commercial and residential walls.

Will require reinforcement, most often through the use of Geogrid, No-Fines Concrete or building a double-width gravity wall.

CE-marked and manufactured in accordance with BS EN 771-3, ISO 9001 and ISO 14001.

Product guidance - As Standard

Size (h x w x d):

200 x 450 x 300 mm.

Colinwell Masonry

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Finish:

Split-face texture.

Weight:

35 kg.

Technical characteristics:

- Mean compressive strength: 30 N/mm².
- Density: 2100 kg/m³.
- Absorption rate: 3–6%.
- Face coverage: 11.11 m² (approximately).

Options

Accessories/ Other requirements:

- Geogrid:

Typical Geogrid reinforced walls will require an excavation depth of 70% or more of the wall height to accommodate geogrid tails.

- No-Fines Concrete:

Will require an excavation depth of around 40% of the wall height.

Product specification

Manufacturer

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Product reference	AB One (1° Setback)
Colour	Abbey blend Cinder blend Limestone blend Pewter blend Slate blend Yorkstone blend
Accessories/ Other requirements	Not required AB Corner Block - 200 x 400 x 200 mm (h x w x d), 26 kg



(available left- or right-handed;
insert requirements).

AB Wall Caps - 100 x 450 x 300
mm (h x w x d), 27 kg (to be
fixed with a high-grade,
waterproof, flexible masonry
adhesive).

Geogrid - For use when the
block weight and setback do not
provide enough structural
support. For taller walls.
Consult manufacturer for
information.

No-Fines Concrete Backfill -
Will allow taller walls to be
constructed with less
excavation. For taller walls.
Consult manufacturer for
information.