



AB Three (3° 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 3° 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 (the product holds a BBA Roads and Bridges certificate).
- Large commercial and residential walls.
- Low gravity (unreinforced) walls.

Depending on site conditions, walls can be constructed up to 1.1 m in height, using the blocks and granular fill only. Taller 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):

Colinwell Masonry

Colinwell Masonry
37 Colinglen Road
Dunmurry
Belfast
Co Antrim
BT17 0LP

Tel: +44 (0)28 9061 8145

www.colinwell.com
info@colinwell.com



200 x 450 x 300 mm.

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

- Name: Colinwell Masonry
- Web: www.colinwell.com
- Email: info@colinwell.com
- Tel: +44 (0)28 9061 8145
- Fax: +44 (0)28 9062 4240
- Address: 37 Colinglen Road, Dunmurry, Belfast, Co Antrim BT17 0LP

Product reference AB Three (3° Setback)

Colour Abbey blend
Cinder blend
Limestone blend
Pewter blend
Slate blend
Yorkstone blend

Accessories/ Other Not required

Colinwell Masonry



requirements

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.