

Allan Block®

Patterns



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The Allan Block products are so versatile that you can blend the different sized blocks together to create projects with beautiful curb appeal.

Use Allan Block for your next retaining wall or fence/sound barrier project for amazing results.



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Wall Patterns

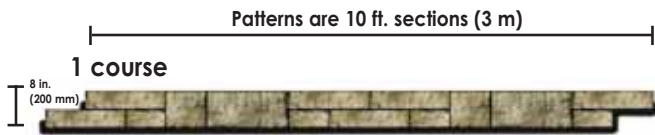
Allan Block has created patterns that can be used with any of our retaining wall collections as well as our AB Fence product. Our different sized blocks are made to fit together to form beautiful patterned walls that add curb appeal to any project.

To assist in block estimating and to ease the construction process there are pre-set patterns available. These patterns can be used repeatedly throughout the project by reversing or offsetting each pattern section as it is installed to help give the project a more random look.

When working with the AB Collection or the AB Europa Collection, check your approved plans for geogrid placement. Reinforcement grid is typically required on every other course, so using the 2 course pattern is required. When using a random pattern on a reinforced wall, a level surface is required on every other course for proper grid installation. See our Landscape Walls guide for more information and installation details.

If building an AB Fence project, check your approved plans for bond beam location and use the appropriate patterns to allow for this. See the AB Fence Installation Guide for additional patterns and information when working with bond beams.

For the latest information, additional patterns and installation details, visit our website at allanblock.com



When building with our wall collections, this pattern should be used on straight walls or walls without two course grid spacing.

Blocks Required per Pattern Section

Retaining wall collections

AB Collection	AB Europa Collection	AB Fence
2 AB Classic	2 AB Dover	2 Panel Blocks
2 AB Jumbo Junior	2 AB Palermo	2 Half Panel Blocks
6 AB Lite Stone	6 AB Barcelona	6 Lite Panel Blocks
4 AB Junior Lite*	4 AB Bordeaux	4 Half Lite Panel Blocks**

AB Collection	AB Europa Collection	AB Fence
6 AB Classic	6 AB Dover	6 Panel Blocks
4 AB Jumbo Junior	4 AB Palermo	4 Half Panel Blocks
8 AB Lite Stone	8 AB Barcelona	8 Lite Panel Blocks
8 AB Junior Lite*	8 AB Bordeaux	8 Half Lite Panel Blocks**

AB Collection	AB Europa Collection	AB Fence
10 AB Classic	10 AB Dover	10 Panel Blocks
10 AB Jumbo Junior	10 AB Palermo	10 Half Panel Blocks
10 AB Lite Stone	10 AB Barcelona	10 Lite Panel Blocks
4 AB Junior Lite*	4 AB Bordeaux	4 Half Lite Panel Blocks**

Note: The base course of any wall or fence project needs to be full size blocks. The above block counts are for the pattern section and do not include additional blocks for the base course. You will need to also include for each 10 ft. (3.0 m) of wall or fence panel length you will need 7 full size blocks; AB Dover or AB Classic for wall projects and AB Fence Panel Blocks for AB Fence. If using AB Caps on the project you will also need for each 10 ft. (3.0 m) of wall or panel length 7 AB Caps.

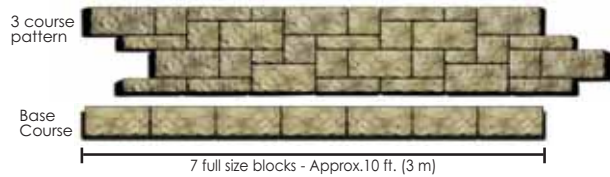
* If an AB Junior Lite (AB Collection) is not available, cut a AB Lite Stone in half.

** If an AB Fence Half Lite Panel Block is not available, cut a AB Fence Lite Panel block in half.

Wall Pattern Examples

2.5 ft (0.8 m) tall Gravity Wall (approx. height)

Can only be built in sandy soil with a level slope.

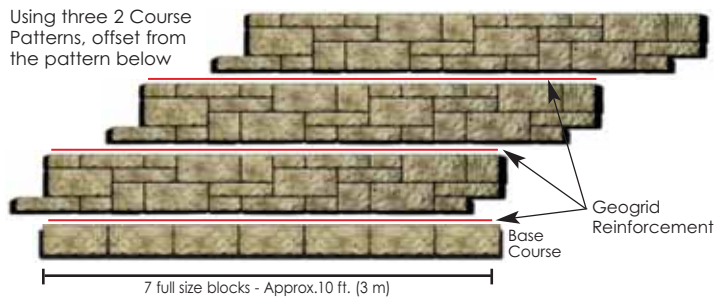


Wall Rock used for base material, block cores and 12 in. (300 mm) behind the wall. The base material is based on placing 6 in. (150 mm) of wall rock in a trench 9 in. D x 24 in. W x 10 ft. L (230 mm D x 610 mm W x 3 m L).

Finishing with an AB Cap will add 4 in. (100 mm) to the height the wall.

4.5 ft (1.4 m) Reinforced Wall (approx. height)

Can be built in sandy or clay soils.

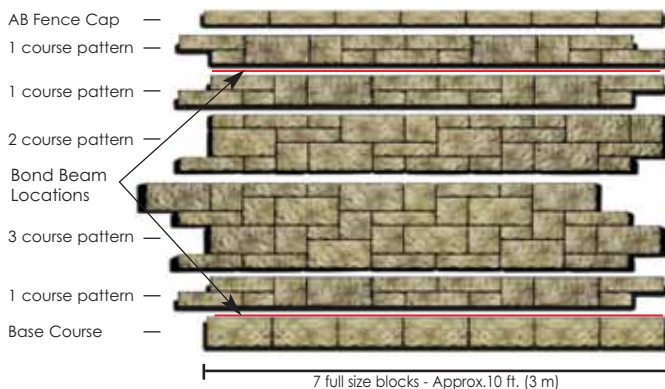


Wall Rock used for base material, block cores and 12 in. (300 mm) behind the wall. The base material is based on placing 6 in. (150 mm) of wall rock in a trench 11 in. D x 24 in. W x 10 ft. L (280 mm D x 610 mm W x 3 m L). Install geogrid between patterns as needed. Drain pipe includes 10 ft (3 m) for both the toe and heel drains.

Finishing with an AB Cap will add 4 in. (100 mm) to the height the wall.

AB Fence Pattern Examples

6 ft (1.8 m) tall Fence Panel with cap (approx. height)



AB Fence pattern example is based on a 7 block space between posts with 2 required bond beam locations at the top and bottom of the panel. Quantities shown do not include materials needed for the post blocks. See the AB Fence Installation guide for more information.

AB Collection

17 AB Classic (including base)
10 AB Jumbo Junior
10 AB Lite Stone
4 AB Junior Lite*
7 Caps (optional/not shown)
49 ft³ Wall Rock (1.39 m³)
10 ft. Drain Pipe (3.0 m)

AB Europa Collection

17 AB Dover (including base)
10 AB Palermo
10 AB Barcelona
4 AB Bordeaux
7 Caps (optional/not shown)
46 ft³ Wall Rock (1.3 m³)
10 ft. Drain Pipe (3.0 m)

AB Collection

25 AB Classic (including base)
12 AB Jumbo Junior
24 AB Lite Stone
24 AB Junior Lite*
7 Caps (optional/not shown)
79 ft³ Wall Rock (2.24 m³)
20 ft. Drain Pipe (6.0 m)*
Geogrid as needed per plan

AB Europa Collection

25 AB Dover (including base)
12 AB Palermo
24 AB Barcelona
24 AB Bordeaux
7 Caps (optional/not shown)
75 ft³ Wall Rock (2.12 m³)
20 ft. Drain Pipe (6.0 m)*
Geogrid as needed per plan

AB Fence - 7 block panel

29 AB Panel Blocks (including base)
20 AB Half Panel Blocks
36 AB Lite Panel Blocks
24 AB Half Lite Panel Blocks
7 AB Fence Caps
2 Horizontal Steel #4 for bond beams
the length of the panel
Concrete grout for bond beams
20 Stirrups for bond beams
Aggregate for base

Tips for Building Patterned Walls or Fence Panels

Patterned walls resemble hand-laid stone walls, and will require a certain level of detail and craftsmanship to construct. Some custom fitting of blocks will be required. Plan on taking a little extra time to build, particularly when building one for the first time.

Cutting Blocks

- When building a patterned project, an AB Junior Lite (AB Collection) or a Half Lite Panel (AB Fence) will be needed. If these blocks are not available the half high, full length blocks that are available will need to be cut in half to create these smaller blocks. For wall projects cut an AB Lite Stone and for AB Fence projects cut a Lite Panel Block. To help speed installation, pre-cut the desired number of blocks at the start of the project. Remember to follow saw manufactures guidelines and wear protective safety glasses and mask when cutting concrete.

Cut an AB Lite Stone in half to create the AB Junior Lite.



Combining Patterns

- Depending on the height and conditions, grid usage or bond beam placement of the project, you can combine the patterns to achieve the desired height. As an example, for a project 4 ft (1.2 m) tall - 6 courses of block - that requires 2 layers of geogrid, install two - 2 course patterns after the base course and a 1 course pattern at the top of the wall, install geogrid on top of the base course and after the first pattern. See Pattern Examples below for more options.

Offsetting Patterns

- Offset each new pattern from the pattern below to maintain the "random" appearance.

Patterned Walls Only

Ending Patterned Walls

- Patterned walls may be ended with step-downs or turn-ins. When ending a patterned wall you will need to modify the pattern and randomly adjust as necessary to create the desired look.

Curves

- When building curves or if you have a project with numerous inside or outside curves, it is recommended that you use the 2 course pattern as it will be easier to work with than the 3 course pattern.

Ending Patterned Walls



Patterned Fence Panels Only

Pattern Style

- Reverse the blocks in the pattern for another type of style, randomness and texture.

Pattern Placement

- Use a single course pattern above and below the horizontal steel at all bond beam locations.

Ending Panels

- Randomize the pattern at each end of the panel to fit into the structural post.



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Pattern Descriptions and Examples

1 course pattern - Approximately 8 in. (200 mm) high - the height of a full size block.

Use to finish off the top of a wall or fence projects where taller patterns do not work. When bond beams are needed in fence projects, this is the pattern to use.

2 course pattern - Approximately 16 in. (400 mm) high.

The best pattern to use for any straight or curved wall project. The use of this pattern minimizes cutting and fitting and is the correct pattern height to accommodate grid when required.

3 course pattern - Approximately 24 in. (610 mm) high.

This pattern should only be used on straight wall applications. It can be used along with other patterns at the top of the wall project where reinforcement is not required. It is a good pattern to use in AB Fence projects between the bond beams.



This project uses 4 two course patterns to the top of the wall.

This project uses 2 two course patterns and a one course pattern to complete the wall.



This project uses a two course and a three course to complete the wall.

The Allan Block Collections



AB® Collection



Create stunning landscapes with the AB Collection's classic cut stone look. With a varied combination of shapes, textures and colors, building impressive landscape walls is easy. Using the blocks individually or blending them together to create AB Ashlar Blend patterns promises to give outstanding results.

AB Europa® Collection



The AB Europa Collection offers an infinite variety of ways to successfully capture the rich, hand-laid stone effect. Use one block or a combination of the blocks to bring Old World charm and distinction to any landscape project.

AB Fence® System



The AB Fence system combines the benefits of mortarless technology with the time proven performance of reinforced concrete. The AB Fence Blocks are split-faced on one side and striated on the other side to provide an architectural finish on both sides. By using the blocks together you can build beautiful patterned walls and then by reversing the split-faced and striated finish you can add another design to the pattern.



For the latest information, additional patterns, detailed installation, estimating tools, videos and much more visit our website at allanblock.com