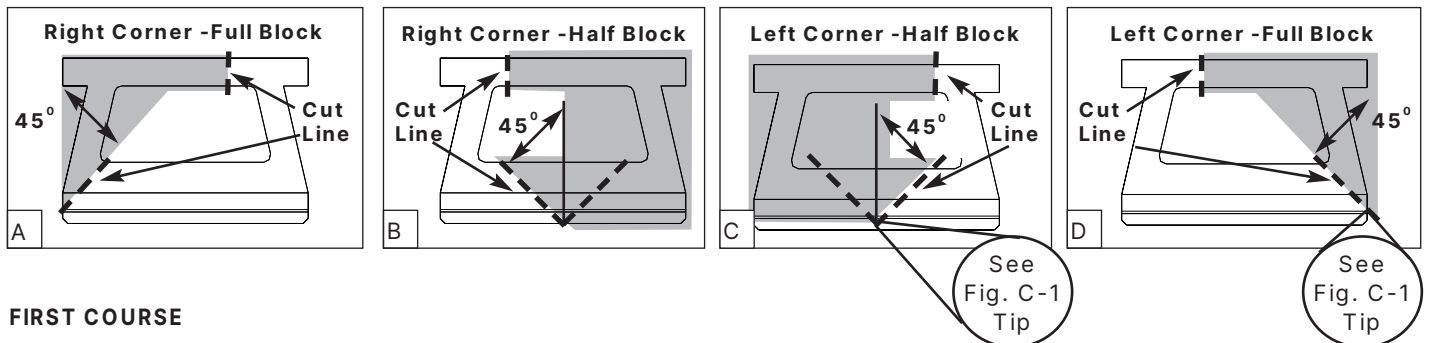


Miter Cutting Outside Corners

Outside corners can be easily constructed by cutting standard AB units. You will need a masonry saw, construction adhesive and geogrid reinforcement material. You will cut standard AB units into four different shapes and alternate their position from course to course, as shown in the steps below. When laying out your base course, always start your wall at the corners.



FIRST COURSE

Step 1

- Cut two AB units as shown in figures A and B. NOTE: Three AB Blocks will provide for two complete corners (Fig. 4).
- Position the cut blocks on the compacted granular base material (Fig. 1).
- Using a small torpedo level, level the blocks from side to side and front to back (Fig. 1).

Step 2

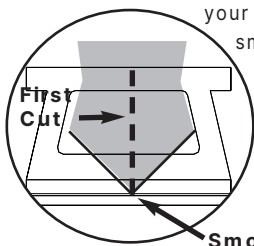
- Remove 1 side of corner assembly and apply 0.25 in. (6 mm) bead of construction adhesive on the mitered edge (Fig 2).
- Place the unit back on the base material to form a tight and square corner.

Step 3

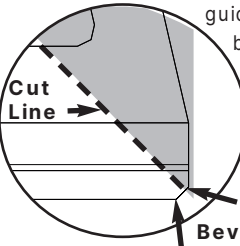
- Carefully place Wall Rock in block cores and 12 in. (300 mm) behind blocks to lock them in position (Fig 3).

Fig 4: Tips For Cutting Blocks

Half Blocks: Making a perpendicular cut before the 45° cuts will give your 45° cuts a smooth edge.

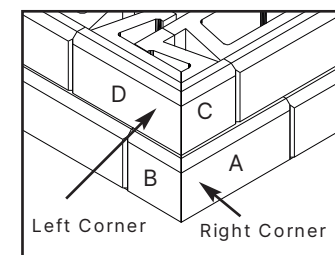


Full Blocks: Use the beveled edge on the front face of the block as a cutting guide. Cutting just behind it will maintain a smooth cut.



Smooth Edges

Beveled Edge



3 AB Blocks Will Yield 2 Complete Corners

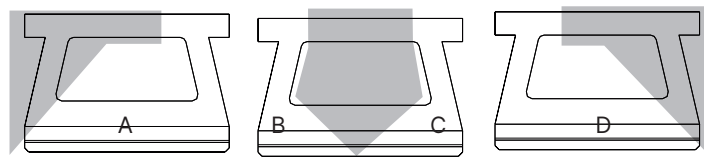


Fig 1: Position Blocks On Base And Level

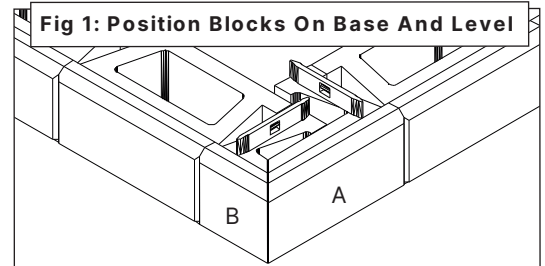


Fig 2: Apply Construction Adhesive

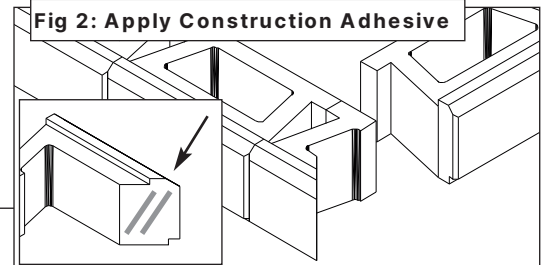


Fig 3: Fill Blocks with Wall Rock

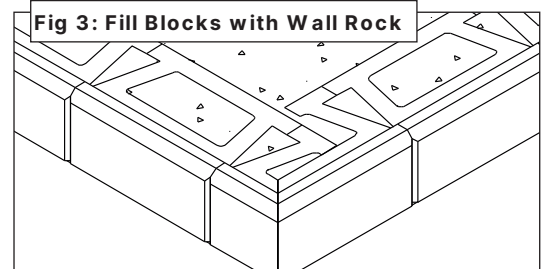
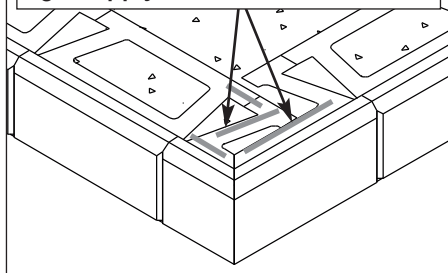
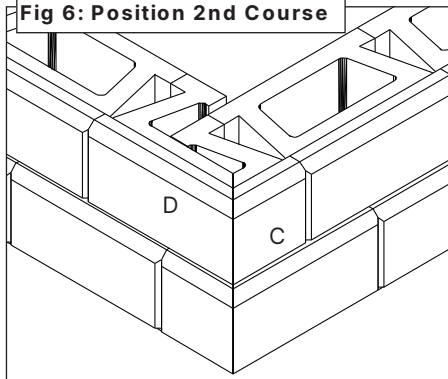
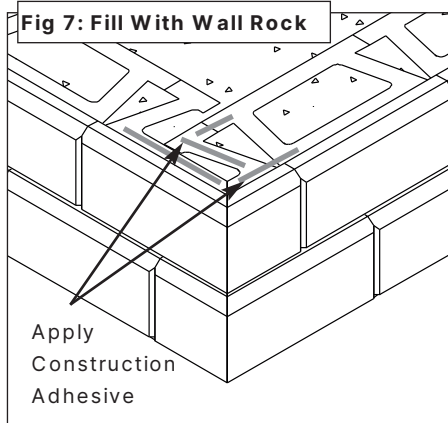
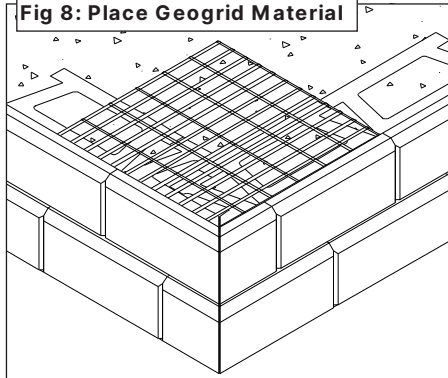


Fig 5: Apply Construction Adhesive**Fig 6: Position 2nd Course****Fig 7: Fill With Wall Rock****Fig 8: Place Geogrid Material****Step 4**

- Sweep the top of the AB Blocks clean and apply 0.25 in. (6 mm) bead of construction adhesive along top surface of corner pieces (Fig. 5).

SECOND COURSE**Step 5**

- Cut two AB units labeled C and D (Fig. C-1).
- Position the cut blocks on 2nd course as shown (Fig. 6), offsetting the joints between blocks. Although a minimum block length of 7.5 in. (190 mm) is recommended, perfect running bond is not necessary.

Step 6

- Carefully place Wall Rock in block cores and 12 in. (300 mm) behind blocks to lock them in position (Fig. 7).
- Sweep the top of the AB Blocks clean and apply 0.25 in. (6 mm) bead of construction adhesive along top surface of corner pieces (Fig. 7).

Step 7

- Place a 2 ft x 2 ft (0.6 m x 0.6 m) layer of geogrid on top of 2nd course blocks (Fig. 8). Repeat this procedure on every other layer of block.

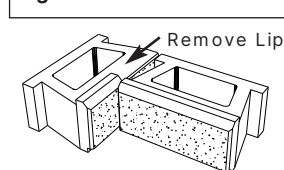
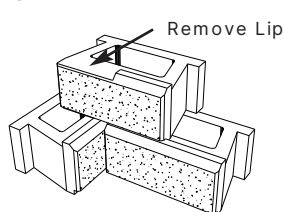
ADDITIONAL COURSES

- Repeat steps 2-7, alternating position of blocks on each course.

INSIDE CORNERS

Inside corners are easily constructed by modifying Allan Block units (Fig. 9).

- Remove half of raised front lip. They can be chiseled off, but a masonry saw works best.
- Lay modified block perpendicular to another Allan Block unit with the lips lined up (STEP 1)
- Remove the opposite half of the lip of another AB unit and position it over the right angle corner (STEP 2).
- Reverse the position of the modified block on each row to obtain an interlocked corner.

Fig 9: Inside Corners**STEP 1****STEP 2****Construction Notes**

SAFETY FIRST: Always wear safety goggles and dust mask when cutting blocks.

WALL ROCK: Allan Block recommends using the same material for the base material, within the AB Block cavities and behind the block 12 in. (300 mm). We recommend a well draining compactible aggregate, ranging in size from 0.25 in. to 1.5 in. (6 mm to 38 mm) diameter. See your local aggregate sources for availability.

COMPACTION: Use a plate compactor to compact material in 8 in. (20 cm) lifts. Run the plate compactor behind the blocks for the first course. Starting on the second course, run the plate compactor directly on top of the blocks and parallel to the wall.

For more information, see your local AB Representative or call 800-899-5309.

allanblock.com



The information shown here is for use with Allan Block products only.