Miter Cutting Outside Corners

Getting Started
• Outside corners can be easily constructed by cutting standard AB units. To construct corners you will need 1) masonry saw 2) construction adhesive and 3) geogrid reinforcement material.
• Building corners requires cutting blocks into 4 different shapes and alternating the position of these blocks from course to course.
• 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. C-1).
• 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 and apply 0.25 in. (6.4 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 granular material in block cores and 6-12 in. (15-30 cm) behind blocks to lock them in position.

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.

3 AB Blocks Will Yield 2 Complete Corners
Miter Cutting Outside Corners Con’t.

Step 4
• Sweep the top of the AB blocks clean and apply 0.25 in. (6.4 mm) bead of construction adhesive along top surface of corner pieces (Fig. 4).

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. 5), offsetting the joints between blocks. Although a minimum block length of 7.5 in. (19.1 cm) is recommended, perfect running bond is not necessary.

Step 6
• Carefully place granular material in block cores and 6-12 in. (15-30 cm) behind blocks to lock them in position (Fig. 6).
• Sweep the top of the AB blocks clean and apply 0.25 in. (6.4 mm) bead of construction adhesive along top surface of corner pieces (Fig. 6).

Step 7
• Place 2 ft x 2 ft (0.6 m x 0.6 m) layer of geogrid on top of 2nd course blocks (Fig. 7). 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. 8).
• 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.

Construction Notes
SAFETY FIRST: Always wear safety goggles and dust mask when cutting blocks.
GRANULAR BASE AND BACKFILL MATERIAL: Allan Block recommends using the same material for the base, the drain field within the block cores and 6-12 in. (15-30 cm) behind the wall. We recommend a well draining compatible aggregate, ranging in size from 0.25 in. to 1.5 in. (6.4 mm to 3.8 cm) diameter. See your local aggregate sources for availability.
COMPACTION: Use a plate compactor to compact material in 8 in. (20.3 cm) lifts. Run the plate compactor on the back of the wall first to lock the blocks in position.
For more information, see your local AB Representative or call 800-899-5309.

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