

CONCORD XL[®]

REF: Detail_Concord XL_Inside Corner Construction

INSIDE CORNER 12" (300MM) CORNER UNIT

ConcordWall / RomanWall (300mm) Inside Modified Corners

Imperial dimensions

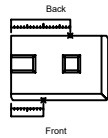
Angle [degrees]	Front [inches]	Back [inches]	Split [inches]	Cut [inches]	Unit to Modify
5	3 7/8	4 1/4	3/8	7 7/8	90° corner
10	3 7/8	4 5/8	3/4	7 7/8	90° corner
15	3 7/8	5	1	7 7/8	90° corner
20	3 7/8	5 3/8	1 3/8	7 7/8	90° corner
25	3 7/8	5 5/8	1 3/4	7 7/8	90° corner
30	3 7/8	6	2 1/8	7 7/8	90° corner
35	3 7/8	6 3/8	2 1/2	7 7/8	90° corner
40	3 7/8	6 3/4	2 7/8	7 7/8	90° corner
45	3 7/8	7 1/4	3 1/4	7 7/8	90° corner
50	3 7/8	7 5/8	3 5/8	7 7/8	90° corner
55	3 7/8	8	4 1/8	7 7/8	90° corner
60	3 7/8	8 1/2	4 1/2	7 7/8	90° corner
65	3 7/8	9	5	7 7/8	90° corner
70	3 7/8	9 1/2	5 1/2	7 7/8	90° corner
75	3 7/8	10	6	7 7/8	90° corner
80	3 7/8	10 1/2	6 5/8	7 7/8	90° corner
85	3 7/8	11 1/8	7 1/4	7 7/8	90° corner
90	Use manufactured 90° corner unit				
91-180	Not recommended				

Metric dimensions

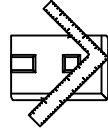
Angle [degrees]	Front [mm]	Back [mm]	Split [mm]	Cut [mm]	Unit to Modify
5	100	109	9	200	90° corner
10	100	117	17	200	90° corner
15	100	126	26	200	90° corner
20	100	135	35	200	90° corner
25	100	144	44	200	90° corner
30	100	154	54	200	90° corner
35	100	163	63	200	90° corner
40	100	173	73	200	90° corner
45	100	183	83	200	90° corner
50	100	193	93	200	90° corner
55	100	204	104	200	90° corner
60	100	215	115	200	90° corner
65	100	227	127	200	90° corner
70	100	240	140	200	90° corner
75	100	253	153	200	90° corner
80	100	268	168	200	90° corner
85	100	283	183	200	90° corner
90	Use manufactured 90° corner unit				
91-180	Not recommended				

1. Create modified right corner unit using required unit.

a. Identify inside angle required. Mark corresponding Front and Back dimensions from left end of unit.



b. Mark Split and Cut dimensions on square. Line up marks on square with marks on unit.



c. Scribe Split and Cut lines on unit.

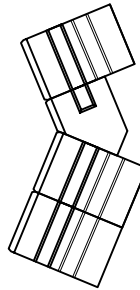
d. Use concrete saw to cut along Cut line.

e. Optional: Use chisel and hammer to score then split along Split line.

f. Use concrete saw to remove knob from the right end, leaving approximately 75mm (3 inches) of the key intact at the left side.

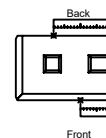


2. Place modified right corner unit on first course.

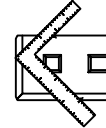


3. Create modified left corner unit using required unit.

a. Identify inside angle required. Mark corresponding Front and Back dimensions from right end of unit.



b. Mark Split and Cut dimensions on square. Line up marks on square with marks on block.



c. Scribe Split and Cut lines on unit.

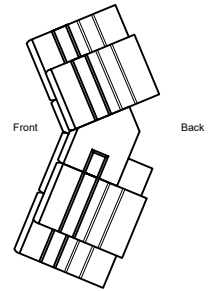
d. Use concrete saw to cut along Cut line.

e. Optional: Use chisel and hammer to score then split along Split line.

f. Use concrete saw to remove knob from the left end, leaving approximately 75mm (3 inches) of the key intact on the right side.

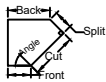


4. Place modified left corner unit on next course.

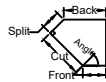


5. Repeat step 1 through 4 until desired height is achieved.

Inside Right corner unit



Inside Left corner unit



Engineering design by RisiStone Inc.



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