



SQUARE DOWEL SYSTEM INSTALLATION GUIDE

STEP 1

Drill oversize holes (see chart below) in form to be used to form construction joint with at least a 1 ½" drill bit, at spacing of square dowels indicated on shop drawings. Do not locate dowel within 1'-0" of intersection of joints

STEP 2

Drill over-sized holes to allow installation of the dowel to within +/- 1/4" of mid-slab depth.

STEP 3

Push dowel aligner into hole and nail to form; duplex nails are recommended

STEP 4

Set forms.

STEP 5

Insert square dowel into dowel aligner centering dowel perpendicular to form. Minimum embedment into each slab shall be equal to half dowel length +/- 1"

STEP 6

Place and finish first slab. Use internal vibration as necessary per industry guidelines.

STEP 7

After first slab is cast, pull nails and remove dowel aligner to facilitate form removal.

STEP 8

Install square dowel clips with the plastic covering the top of the dowel and the side foam vertical to faces of bars. The plastic clip should extend the full length of the exposed dowel.

STEP 9

Place and finish second slab. Use internal vibration as necessary per industry guidelines.

Dowel Size	Dowel Aligner	Drilled Hole Size
1/2" Dowel	DA750 with ½" converter	1-1/4" hole
3/4" Dowel	DA750	1-1/4" hole
1" Dowel	DA1000	1-5/8" hole
1-1/4" Dowel	Not available	1-3/4" hole

