

## TECHNICAL DATA SHEET

### DESCRIPTION

The Superior Plate Dowel is a two-component product consisting of a plastic sleeve and a 4.5" x 4.5" steel plate that is designed to transfer loads at the joints of concrete floor slabs.

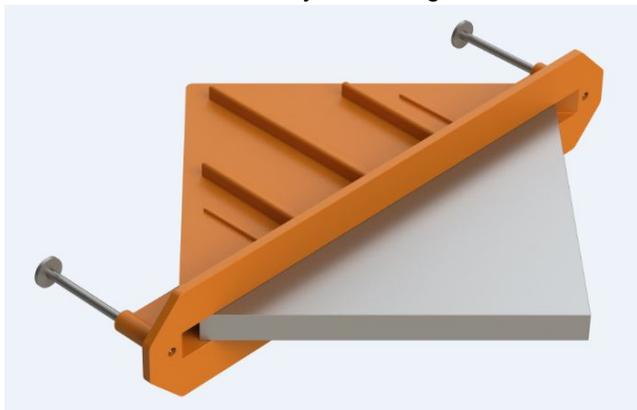
The Superior Plate Dowel system provides stability at the concrete joint by allowing the positive transfer of load to offer a smooth slab-to-slab transition.

### APPLICATION

The Superior Plate Dowel is used when a slab-to-slab transition occurs and stability of the concrete joint is required. The plastic sleeve is nailed to lumber edge forms and a steel plate then slides into the sleeve.

### PRODUCT SPECIFICATION

- The Superior Plate Dowel is recommended for joints up to .20" wide and can be used in concrete slabs such as jointed floors and flatwork.
- When properly installed, the Superior Plate Dowel conforms to ACI 302.1R and ACI 360.
- Steel plates conform to ASTM A36 requirements for 36 KSI minimum yield strength material.



### FEATURES

- Integrated nails go into the sleeve allowing for faster installation to the formwork
- Efficient constructability allows fast stripping of the formwork
- Slab-to-slab trip hazards are minimized
- 3 different plate thicknesses with color coded sleeves for ease of use
- All plate dowels are 4.5" x 4.5" square

### TECHNICAL DATA

#### Superior Plate Dowel System - Sleeves and Plates

Part Description	Slab Thickness	Spacing
1/4" Sleeve (Orange)	5" to 6-1/2"	18"
1/4" Steel Plate	5" to 6-1/2"	18"
3/8" Sleeve (Yellow)	7" to 9"	18"
3/8" Steel Plate	7" to 9"	18"
3/4" Sleeve (Green)	9" to 12"	18"
3/4" Steel Plate	9" to 12"	18"

### INSTALLATION

1. Select the appropriate size Superior Plate Dowel based on thickness of slab.
2. Align the Superior Plate Dowel Sleeve in the center of the form height.
3. Using a hammer, attach the integrated nails into the formwork.
4. After the concrete is poured and the formwork is removed, simply slide the steel plate into the sleeve void in preparation for the adjoining slab.

### ORDERING INFORMATION

#### SUPERIOR PLATE - DOWEL SYSTEM

Product Code	Description	Weight
101157	1/4" ORANGE SLEEVE	0.14 LB
101161	1/4" STEEL PLATE	1.44 LB
101158W	3/8" YELLOW SLEEVE	0.14 LB
101162T	3/8" STEEL PLATE	2.15 LB
101159	3/4" GREEN SLEEVE	0.15 LB
101163	3/4" STEEL PLATE	4.31 LB

### MANUFACTURER

Dayton Superior Corporation  
 1125 Byers Road  
 Miamisburg, OH 45342  
 Customer Service: 888-977-9600  
 Technical Services: 877-266-7732  
 Website: [www.daytonsuperior.com](http://www.daytonsuperior.com)

**TECHNICAL DATA SHEET****WARRANTY (ACCESSORIES)**

Limited Warranty. Dayton warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable Products included with such formwork), that Products and any associated application drawings and engineering services provided by Dayton ("Ancillary Services") will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by Dayton and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product and/or Ancillary Service covered by a timely claim are found to be defective, Dayton will, within a reasonable time, make any necessary repairs or corrections or, at Dayton's option, replace the Product. Unless pre-authorized by Dayton in writing, Dayton will not accept any charges for correcting defects or accept the return of any Product. This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than Dayton, or that have not been maintained in accordance with Dayton's specifications. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AS TO THE PRODUCTS AND ANCILLARY SERVICES. DAYTON MAKES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THE REMEDIES SET FORTH IN THIS SECTION ARE CUSTOMER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.