



**SUGGESTED MASTER SPECIFICATION
SECTION 03 21 00 SLIP DOWEL ALIGNMENT METHOD**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Provision for assuring proper field positioning and alignment of slip dowels at concrete flatwork construction joints and expansion joints.
- B. Provisions for allowing free shrinkage and expansion of concrete surfaces adjacent to construction or expansion joints while providing proper load transfer and preventing differential settlement.

1.02 REFERENCES

- A. Slip Dowels
 - 1. ACI 224.3R-95 (Reapproved 2001), Section 5.2.4.3.
 - 2. ACI 302.1R-04, Sections 3.2.5.2 and 3.2.7.
 - 3. ACI 223-98, Sections 3.4.4 and 3.4.6.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Provide Greenstreak two component Speed Dowel System, to accept ____" diameter x ____" long slip dowels (fill in appropriate slip dowel dimensions).
- B. The Greenstreak Speed Dowel System is comprised of a reusable base and a plastic sleeve. Both pieces shall be manufactured from polypropylene plastic.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Attach bases to the face of concrete forms using a double-headed nail or self-tapping screw.
- B. Center of base shall be centered on form (or positioned as directed by engineer).
- C. Prior to pouring concrete, Speed Dowel sleeve shall be slipped over base.
- D. Pour concrete minimum 18" from Speed Dowel system and work concrete around the Speed Dowel System.
- E. Concrete forms shall be removed with bases still attached. Bases may be reused.
- F. Install slip dowels to the full depth of the embedded Speed Dowel sleeve and proceed with next concrete pour.

3.02 FIELD QUALITY CONTROL

- A. Greasing of dowels is not required. Embedded Speed Dowel Sleeve accommodates expansion and shrinkage movements that may occur.
- B. Bent or badly sheared slip dowels shall not be used. Saw cut dowels recommended.
- C. Concrete shall not be poured directly over the Speed Dowel System.
- D. Place edge forms plumb. Out of plumb forms may result in misaligned dowels.

END OF SECTION

GREENSTREAK, INC

3400 Tree Court Industrial Blvd. • St. Louis, MO 63122
Phone 800.325-9504 or 636.225-9400 • Fax 800.551-5145 or 636.225-2049
Greenstreak.com • Email info@greenstreak.com