

SWELLSTOP MASTER SPECIFICATION

Greenstreak



BUILDING TRUST

SUGGESTED MASTER SPECIFICATION SECTION 03 15 13 STRIP APPLIED WATERSTOPS (SWELLSTOP)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Provision of strip applied expanding waterstop, embedded in concrete and spanning contraction (control) joints and/or limited movement construction joints, to create a continuous diaphragm for prevention of fluid migration.

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM)

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Protect waterstops from exposure to moisture that may cause premature waterstop expansion.
- B. Store waterstops under cover to protect from oil, dirt, and sunlight.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Provide strip applied expanding waterstop comprised of bentonite clay, hydrophilic polymers, and butyl rubber. Product shall be SWELLSTOP, as supplied by Sika (St. Louis Sales Office) located at 3400 Tree Court Industrial Blvd., St. Louis, MO 63122, Phone: 800-325-9400, Fax: 800-551-5145.

B. Performance Requirements:

Property	Test Method	Typical Values
Color	ASTM D1729	Black
Odor		None
Application Temperature		5°F to 125°F
Service Temperature		-40°F to 215°F
Cone Penetration, 300g	ASTM D217	55-60 dmm
% Solids	ASTM C771	99% after 4 hours @ 212°F
Specific Gravity	ASTM D297	1.60 ± 0.05 g/cm ³
Flash Point	ASTM D92	610°F

2.02 ACCESSORIES

- A. Provide PRIMER ADHESIVE or SWELLSTOP WB PRIMER ADHESIVE (water-based) to continuously secure SWELLSTOP to concrete.
- B. Provide concrete nails as required to secure SWELLSTOP in vertical or overhead applications.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Apply PRIMER ADHESIVE to dry concrete surface, 2 inches wide continuously along the joint, maintaining a minimum of 2 inches clear cover to concrete face.
- B. PRIMER ADHESIVE shall be allowed to “dry to the touch” (typically 30 minutes to several hours; dependent on site conditions) prior to application of SWELLSTOP.
- C. Continuously adhere SWELLSTOP to concrete utilizing PRIMER ADHESIVE and maintaining a minimum of 2 inches clear cover to concrete face.
- D. Apply SWELLSTOP the same day as PRIMER ADHESIVE.
- E. SWELLSTOP shall be butt spliced pressing ends together ensuring no separation or air pockets
- F. Protect SWELLSTOP from moisture, dirt, oil, and sunlight during the progress of the work
- G. Remove release paper from SWELLSTOP immediately prior to concrete placement.
- H. Inspect SWELLSTOP for premature swelling, discontinuity, and debris contamination prior to concrete pour. Replace unacceptable product.
- I. Place and thoroughly vibrate concrete, taking care not to disturb or displace SWELLSTOP. Do not allow vibrator to contact SWELLSTOP.

END OF SECTION

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