

GUIDE SPECIFICATION
SECTION 03250
PREFORMED PLASTIC ADHESIVE WATERSTOPS

PART 1:GENERAL

1.01 SUMMARY

A. Section includes all work required to complete, as indicated by the Contract Documents, and furnish all supplementary items necessary for the proper installation of Preformed Plastic Adhesive Waterstops.

B. The requirements of Division 0 - "Bidding and Contract Requirements" and Division 1 "General Requirements" of this Project Manual shall apply to all work required for this section.

1.02 RELATED SECTIONS

A. 03100 - Concrete Formwork

B. 03200 - Reinforcing Steel

C. 03310-Structural Concrete

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1.03 PRODUCT DESCRIPTION SUMMARY

A. Description of Product:

1. The preformed plastic adhesive waterstop shall be a single-component, self-sealing plastic waterstop extruded between two "quick-release" papers.
2. Waterstop shall provide a flexible, watertight bond to both fresh and / or cured concrete surfaces.
3. Waterstop shall be suitable for vertical, horizontal and sloping cast-in-place concrete joints.

1.04 REFERENCES

A. Federal Specification (Fed. Specs.)

1. SS-S-21 OA, "Sealing Compound for Expansion Joints"

1.05 SUBMITTALS

A. Submit in exact accordance with Section 01340 - Shop Drawings, Product Data and Samples.

B. Product Data:

1. Submit manufacturer's specifications to evidence compliance with these specifications.

2. Manufacture's Product Data shall be clearly and specifically marked to indicate the specific models or types intended for submittal and desired approval.
3. Product Data which is unmarked or unclear as to exact intended submittal will be returned unreviewed to submitter.

C. Samples:

Submit two (2), twelve inch (12") strips, complete with "quick-release" papers.

D. Substitutions:

Submit requests for substitutions in exact accordance with Section 01630 - Substitutions and Product Options.

1.06 DELIVERY, STORAGE AND HANDLING

A. Refer to Section 01600 - Material and Equipment.

B. Deliver, store and handle products in exact accordance with the manufacture's latest published requirements and specifications.

C. Shelf life: Preformed Plastic Adhesive Waterstop shall have an indefinite shelf life.

PART 2: PRODUCTS

2.01 PRODUCT / MATERIAL SOURCE

A. Manufacturer and Model Name: Henry Company - Sealants Division, "Synko-Flex Preformed Plastic Adhesive Waterstop", and "Synko-Flex Primer."

B. Address: 1277 Boyles Street, Houston, TX 77020

C. Telephone:

1. Toll Free: 1(800)231-5551

2.02 MATERIALS

A. Waterstop shall be a non-swelling single-component self-sealing plastic adhesive type.

B. The preformed plastic waterstop shall meet or exceed all requirements of Federal Specifications SS-S-21 OA.

C. Waterstop shall be in an extruded between two protective papers, silicone treated for fast stripping.

D. Waterstop shall be extruded in a standard cross-section of approximately 1.0 square inch, approximately 36 inches long.

E. Primer shall as recommended by the waterstop manufacturer.

2.03 SOURCE QUALITY CONTROL

A. TESTS:

Waterstop shall meet or exceed those test criteria set fourth in Shilstone Testing Laboratory, Inc., Report 6-5106-B-R, dated November 11,1971, and those test criteria set fourth in the report titled "Hydrostatic Pressure tests on 'SYNKO-FLEX Preformed Plastic adhesive Waterstop'", dated March 1979, issued by the Department of Civil Engineering of the University of Texas.

PART 3: EXECUTION

3.01 EXAMINATION

A. Examine and verify that receiving substrate surface of the structure have no defects or errors which would result in poor or potentially defective application or cause latent defects in workmanship.

1. Conditions of Surface: Clean, free of oil, release agents, water, moisture, laitance, or any other deleterious substances.

B. Report any unsatisfactory conditions to the Architect.

C. Starting installation shall imply acceptance of surface.

3.02 PREPARATION

A. Substrate Surface:

1. Prepare substrate surface to insure proper and adequate installation, in exact accordance with the Contract Documents and approved Shop Drawings, or manufacturer's requirements.
2. Brush clean all loose dirt and particles from the concrete surfaces.
3. Brush apply 2" - 3" wide strip of primer and albw to dry thoroughly (2-3 hours).

B. Protection of Adjacent Areas or Surfaces: Protect adjacent areas or surfaces from damage as a result of the Work of this Section.

3.03 INSTALLATION

A. Install in exact accordance with manufacturer's latest published requirements, specifications, details and approved shop drawings.

B. Special Techniques:

1. Strip protective paper wrapper from one side only of the waterstop material.
2. Press waterstop material strip firmly against primed surface throughout length and width of strip.
3. Strips shall be joined together with 1" overlap to form a continuous waterstop. Ensure that there are no air gaps under the overlapped section.
4. Remove remaining protective paper when ready to install forms and pour concrete.

3.04 CLEANING

A. Clean in exact accordance with Section 01710 - Cleaning.

B. Immediately remove all spots, smears, stains, residues, adhesives, etc., from the Work of this Section and / or upon adjacent areas or surfaces which result from the Work of this Section.

C. Upon the completion of the Work of this Section, dispose of, away from the Site, all debris, trash, containers, residue, remnants and scraps which result from the Work of this Section.

3.05 SCHEDULE OF MATERIALS TYPICAL LOCATIONS

A. Provide continuous waterstop at all below-grade concrete cold joints.