SECTION 03152

APPLIED STRIP WATERSTOPS

PART GENERAL

SECTION INCLUDES

Swellable strip waterstop embedded continuously along concrete contraction/control and non-moving construction joints creating a continuous barrier to fluid migration.

REFERENCES

ASTM D 71 - Standard Test Method for Relative Density of Solid Pitch and Asphalt (Displacement Method).

ASTM D 217 - Standard Test Methods for Cone Penetration of Lubricating Grease.

DELIVERY, STORAGE AND HANDLING

Store waterstop in factory package to protect from oil, dirt, and prolonged ultraviolet exposure.

Store materials under cover to protect from moisture which may cause premature waterstop swelling.

PART PRODUCTS

MANUFACTURER

Provide products manufactured by Greenstreak Plastic Products Co., Inc., St. Louis, MO, 63122. ASD.
Phone: (314) 225-9400 or (800) 325-9504.
Fax: (314) 225-9854 or (800) 551-5145.

WATERSTOP MATERIAL

Swellable Strip Waterstops: Greenstreak "SWELLSTOP"; strips composed of bentonite and butyl rubber which swells upon contact with water; one inch (25 mm) by 3/4 inch (19 mm) by 16 ft-8 inch (5078 mm) roll.
Properties:

Specific gravity in accordance with ASTM D 71: 1.2 minimum, 1.35 max.
Penetration in accordance with ASTM D 217 at 77 degrees F (25 degrees C): 50 minimum, 120 maximum at 150 GTL; 80 minimum at 300 GTL.
Penetration after 21 day aging in accordance with ASTM D 217: 75 at 300 GTL at 130 degrees F (54 degrees C).
Unrestricted swell: Moisture gain of 200 percent, minimum, after 21 days.
Application temperature range: 5 to 125 degrees F (-15 to 52 degrees C).
Service temperature range: -40 to 212 degrees F (-40 to 100 degrees C).

Accessories:

Adhesive: "Swellstop Primer Adhesive"; solvent-based, for securing waterstop to horizontal and vertical substrates.
Concrete cut nails if required for securing waterstop to vertical joint face.

PART EXECUTION

INSTALLATION

Butt ends of strip coil. Press ends together to ensure no separation and no air pockets.

Immediately prior to placing second pour, inspect waterstop for premature swell, discontinuity, and debris contamination. Replace swelled and damaged waterstop. Remove unacceptable waterstop from site and dispose of defective material in accordance with local regulations.

Adhere waterstop to concrete utilizing primer adhesive.

Allow primer adhesive to dry for two hours prior to application of waterstop.

Apply waterstop the same day as adhesive.

Protect waterstop from moisture, dirt, oil, and sunlight during progress of work.

Install waterstop with minimum 2 inches (50 mm) clear cover to concrete face.

END OF SECTION