



WATERPROOFING

MiraSTOP™ BW

MiraSTOP is now
MiraSTOP BW

Description

MiraSTOP BW is a **Bentonite Waterstop** that swells when in contact with water. This high quality, self-adhering, flexible, coiled waterstop strip is comprised of butyl rubber polymers and expandable bentonite clay waterproofing joint compound.

MiraSTOP BW is designed for use in non-moving joints to create watertight concrete joints. MiraSTOP BW is ideal for many types of cast-in-place and precast below-grade concrete applications, such as: construction joints in foundation slabs and below-grade walls, precast concrete wall panel systems, septic tanks, sanitary and storm sewer manholes, pipes, utility and burial vaults, wet walls, box culverts and portable water tanks.

MiraSTOP BW prevents infiltration of below-grade moisture in non-moving joints. When water comes in contact with MiraSTOP BW it swells to form a strong compression seal.

MiraSTOP BW is ideal for a variety of applications:

- Vertical and horizontal concrete 8" (200 mm) thick or greater
- Shotcrete foundation walls
- High hydrostatic pressures
- Tie-back plates and penetrations

Features and Benefits

- Can be used in conjunction with CCW Waterproofing Systems and Henry® Waterproofing Systems.
- Easy to install
- Applies in all dry weather conditions – flexible enough for virtually all season applications
- Non-toxic – needs no special handling
- Self-adhering



Installation

Remove dust, dirt, loose particles or any other materials that might cause areas of poor adhesion of the MiraSTOP BW. Best practice is to position the waterstop inboard of the steel reinforcement along the exterior face of the wall.

For smooth substrates, apply CCW-702, CCW-702WB, CCW-AWP, CCW CAV-GRIP® or TRAVEL-TACK™ 2" wide continuously along the joint. Allow the primer to dry to the touch (typically 30 minutes) prior to application of MiraSTOP BW.

For rough substrates, apply a minimum 3/8" bead of MiraSTOP SS centered where the MiraSTOP BW will be installed. Apply the MiraSTOP BW within 30 minutes of the MiraSTOP SS.

Remove one side of the release paper and firmly press MiraSTOP BW into the prepared substrate. Press any butt ends or splices together to ensure no separation or air pockets. Remove the remaining release paper and mechanically fasten the MiraSTOP BW as necessary. Position fasteners 1" from any ends or splices, and 10" on-center, or as-needed.

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Packaging

MiraSTOP BW = 1" x ¾" x 16'-8" coil, 6 rolls per box, 53 lbs.

Availability

Available through local CCW and Henry Representatives or Distribution. Visit www.carlisleccw.com or www.henry.com to contact us, or select "Find a Rep or Distributor."

Limitations

- Do not allow premature hydration of MiraSTOP BW.
- MiraSTOP BW must have a minimum of 3" of concrete cover.

Warnings and Hazards

- Review Safety Data Sheets before handling; available online at www.carlisleccw.com or www.henry.com.
- Wear proper protective gloves, clothing, and eye/face protection.

Storage

Always store MiraSTOP BW in a protected and dry location in original, unopened containers. Do not store in direct sunlight. When stored at temperatures of 40-86°F (4-30°C) in the original, unopened containers, shelf life is 12 months.

Disposal

MiraSTOP BW must be handled and disposed in accordance with local, state, and federal regulations.

Physical Properties

Property	Method	Typical Value
Specific gravity	ASTM D71	1.60
Hardness	ASTM D127	75 dmm
Solids Content	ASTM C681	100%
Unrestricted	-	300%
Shelf Life	-	2 years minimum
Storage Temperature	-	-10°F to 90°F
Application Temperature	-	-10°F to 120°F
Service Temperature	-	-50°F to 190°F

All flow rates were tested at 3600 psf.

Drainage Performance Index is a function of ASTM D4833, D4632 and D1621.

¹ In plane flow rate @ gradient of 1.0

² Installed flow rate with soil overburden at vertical gradient of 1.0.

Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.