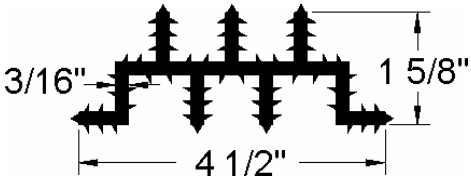
PRODUCT DATA SHEET
MR-412



Head of Pressure	Pounds per Lineal Foot
50’	1.24

WHERE TO USE MULTI RIB WATERSTOP

Multi Rib waterstops are used in construction joints in vertical applications where key action is desired.

PHYSICAL PROPERTIES OF PVC WATERSTOP

Typical Properties	ASTM Method	Nominal Value
Water Absorption	D-570	0.15%
Tear Resistance, psi (kg per cm2)	D-624	350 (24.5)
Specific Gravity, (+/-0.02)	D-792	1.33
Hardness, Shore A (+/-3, 10 sec. delay)	D-2240	74
Tensile, psi (kg per cm2)	D-638, Type IV	2075 (145.25)
Elongation %	D-638, Type IV	435
100% Modulus, psi (kg per cm2)	D-638, Type IV	725 (50.75)
Brittle Point (Tb)	D-746	-37º F / -38º C (Passed)
Stiffness in Flexure psi (kg per cm2)	D-747	1440 (100.8)
Ozone Resistance	D-1149	No Failure
Accelerated Extraction, CRD-C572		
Tensile, psi (kg per cm2)	D-638, Type IV	2025 (141.75)
Elongation, %	D-638, Type IV	420
Effect of Alkali, CRD-C572		
Weight Change, %	-----	+0.05
Change in Hardness, Shore A	D-2240	-3

BoMetals, inc.
concrete and masonry accessories

INSTALLATION

Preparation

During progress of work all waterstop shall be protected from damage and should be free of oil, dirt and concrete spatter. Waterstop coils should be uncoiled several days before installation to insure ease of installation and fabrication. Be sure steel reinforcing bars do not interfere with proper positioning of waterstop.

Placement

- Multi-Rib waterstop spans the joint rather than penetrating both pours. Installation is completed by nailing the Multi-Rib profile to the inside of the bulkhead.
- Double headed nails are suggested for nailing the waterstop to the bulkhead, and the nails should penetrate the wood only about ½’’. This system facilitates easy stripping of the forms, and minimizes pull (disturbance) on the waterstop during bulkhead removal.
- It is critical that thorough and proper vibration of the concrete take place on all pours around waterstop, especially Multi-Rib waterstop, to insure no honeycomb around the waterstop or between ribs.
- Hog ring and wire tie to reinforcing bars every 12 inches. Always secure hog ring or wire between the last rib and the end of the waterstop. Hog ring shall not penetrate the waterstop

Splicing

Waterstops may need splicing at intersections, abrupt changes of direction, or to form longer lengths. In Multi-Rib waterstop joints, Flat T’s, X’s, L’s or Vertical L’s are possible. BoMetals recommends the use of factory made fittings, with butt splices only allowed in the field. Glued or lapped joints are not allowed. Please contact us for more details.

141 Hammond Street
Carrollton, GA 30117

Phone 770-832-2000 ■ 800-862-4835 ■ FAX 770-832-2095
Visit our website @www.bometals.com
Address email to info@bometals.com

Founded in 1989, BoMetals has become an industry leader in the design and manufacture of concrete and masonry accessories.

September 2008