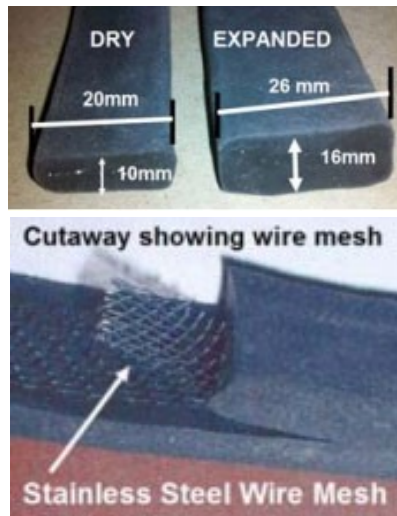





ADEKA ULTRASEAL® MC-2010MN is a chemically modified natural rubber (non-vulcanized) product. The manufacturing process chemically bonds a hydrophilic agent to the rubber. This permits the seal to undergo controlled expansion when exposed to moisture. This expansion capability provides a "double locking" waterstop i.e. one from rubber's natural resilience and one from expansion pressure generated when it is exposed to water.

Expansion occurs in three dimensions - width, height, and length. MC-2010MN has a unique stainless steel wire mesh embedded within the material. The wire mesh eliminates unnecessary expansion in the length and width dimensions. When fastened to concrete, the wire mesh prevents "winding" action and directs the expansion.



MC-2010MN has excellent durability and resistance to chemical contaminants. It can perform in a wide range of solutions such as seawater or cement water. The material does not contain any toxic substance or heavy metals and is environmentally safe.

 MC-2010MN IS NSF 61 CERTIFIED.

### BASIC USE

Used in below grade cast-in-place concrete joints where water intrusion must be prevented. MC-2010MN is designed to replace conventional waterstop in non-moving joints. It is also used for cast-in-place or block out piping penetrations where pipe diameter exceeds 24".

**NOTE:** MC-2010MN must be placed between two rows of rebar. The required concrete coverage varies from 4.0" ~ 5.0" depending on concrete strength. For example, if concrete psi is 4260 or greater the required concrete coverage is 4.0". If the concrete psi is 2550 or less, the required coverage is 5.0". Wall height must be 6.5 feet or greater. For complete coverage information see MC Coverage Data Sheet or call 866-457-5710.

### PRODUCT DESCRIPTION

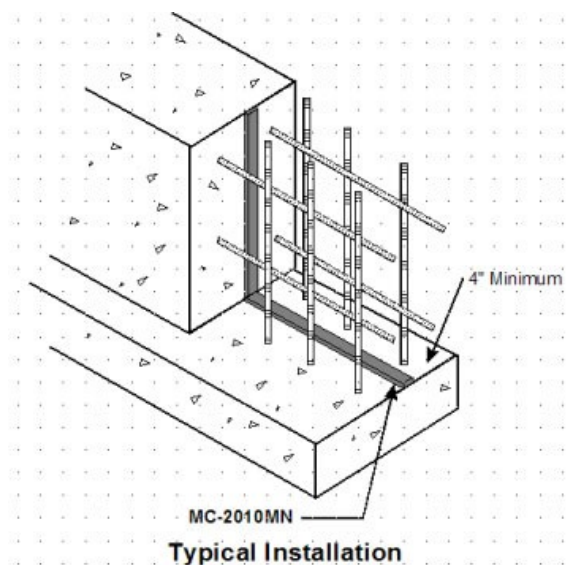
Size	20mm X 10mm (0.78" X 0.39")
Packaging	25meters (82 feet per case) 18 lbs per case

### PROPERTIES

Hardness	A30
Tensile Strength	0.9 MPa
Elongation	560%
Volume % Change	120% (approximately 2 times)
Vulcanization	No
Specific Gravity	1.18

Tested by press sheet of MC compound.  
Property values are representative values and not specification values.

### INSTALLATION



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sales@ocm-inc.com

## ALL METHODS OF INSTALLATION REQUIRE A MINIMUM OF 4.0" ~ 5.0" COVERAGE SEE NOTE

### METHOD 1 (Attaching waterstop to smooth concrete):

1. Surface of the concrete must be clean, dry and free from any loose debris.
2. Press OCM 75BRTAPE onto the substrate and remove the release paper. Press the appropriate ADEKA product very firmly onto the Butyl tape. Check for any gaps between the product and the substrate. If gaps are present, fill the gaps using ADEKA P-201 applied to the side of the strip. Use ADEKA P-201 on concrete joints and on side-by-side splice joints as usual. You can place concrete immediately, no waiting for curing time.

### OR

Apply small bead of P-201 approximately 1/4" X 3/8". Press MC-2010MN into bead of P-201. Smooth excess P-201 against side of MC-2010MN as shown. Allow curing time (estimate 1~2 days) before placing concrete. Place a nail or screw every 12~14 inches if concrete must be placed immediately.



3. Place concrete without displacing or disturbing the position of the waterstop.

### METHOD 2 (Rough concrete):

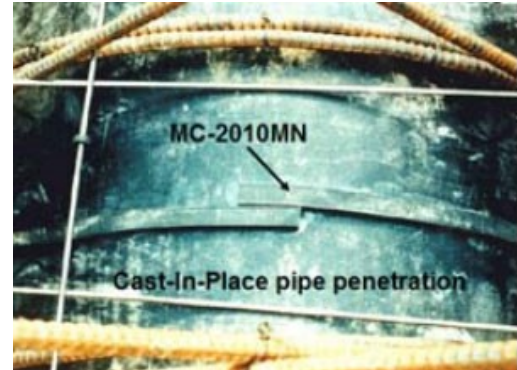
1. Surface of the concrete must be clean and free from any loose debris or standing water.
2. Apply bead of ADEKA ULTRASEAL® P-201. Use enough P-201 to fill any void between MC-2010MN and the concrete surface)
3. Firmly press MC-2010MN into the P-201 while it is still in the paste state.
4. Use a wet tool or gloved finger to remove any excess P-201. Allow curing time (estimate 1~2 days) before placing concrete. Place a nail or screw every 12~14 inches if concrete must be placed immediately.
5. Place concrete without displacing or disturbing the position of the waterstop.

### OR

Attach with nails, screws or glue then fill in rough areas with ADEKA ULTRASEAL® P-201. Inspect to insure there are no voids or gaps between MC-2010MN and concrete.



## EXAMPLES OF USE



**Cast In Place Pipe Penetrations**



**NSF Certified for Potable Water**



**Typical Use**

**WHERE TO USE ADEKA MC-2010MN**  
Below Grade Joints • Piping Penetration  
Cooling Towers • Utility Vaults • Water Tanks  
Reservoirs • Manholes • WWTP • Dams • WTP

**NOTE:** The information contained herein is based on our present state of knowledge and is intended to provide general notes on Adeka Waterstops and their use. Any recommendations or suggestions, which may be made, are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained in this publication shall be construed as a recommendation for any use that may infringe patent rights. Readers are cautioned to satisfy themselves as to the suitability of such goods for the purposes intended prior to use.