



MC-2010MN

Manufactured by Adeka Corporation
Tokyo, Japan
Imported by OCM, Inc.
Chicago, IL.

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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	

GENERAL DESCRIPTION:

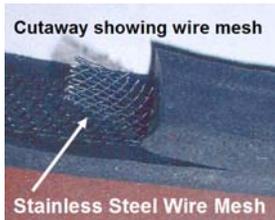
ADEKA ULTRASEAL® MC-2010MN is a chemically modified natural rubber (non-vulcanized) product.



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.**

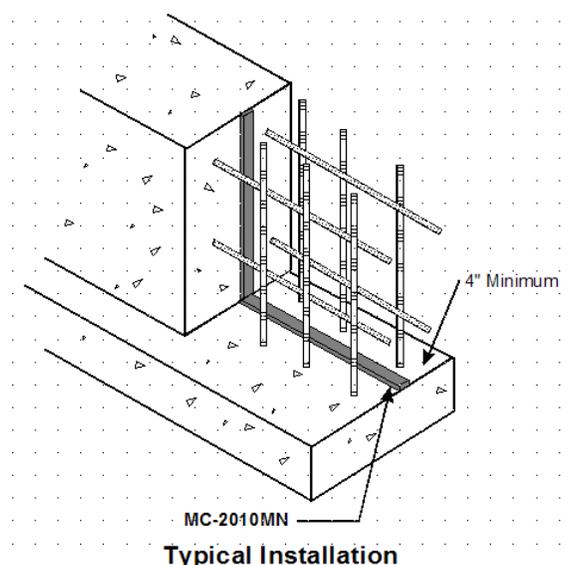


BASIC USE:

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 800.999.3959.

INSTALLATION:



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. Paint both concrete and MC-2010MN with appropriate adhesive (3M-2141, Bostik 1142, Scotch Grip 1357, 3M 77 spray adhesives, 3M 92 spray adhesive or equal). Allow adhesive to become tacky- firmly press MC-2010MN onto adhesive.

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.

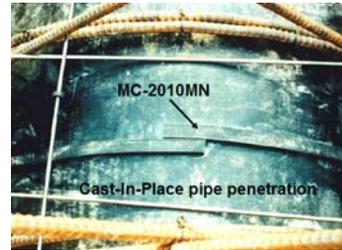
OR:

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.

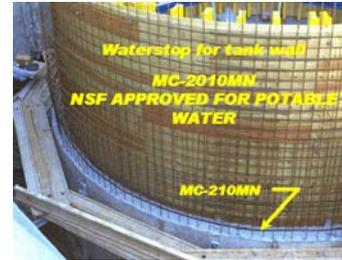


EXAMPLES OF USE:

CAST-IN-PLACE PIPE PENETRATIONS



NSF CERTIFIED FOR POTABLE WATER



WHERE TO USE ADEKA MC-2010MN

- * Below Grade Joints
- * Piping Penetration
- * Cooling Towers
- * Utility vaults
- * Water tanks
- * Reservoirs
- * Manholes
- * WWTP
- * Dams
- * WTP
- And much more.....

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 uses. 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

ADEKA ULTRASEAL® MC-2010MN

Call (800) 999-3959 for more information

General Installation Procedures

Waterstop CIP concrete joint

Place a small bead of ADEKA ULTRASEAL® P-201 on any rough or scarred area prior to attaching MC-2010MN.

Attach MC-2010MN to the concrete by one of the following methods:

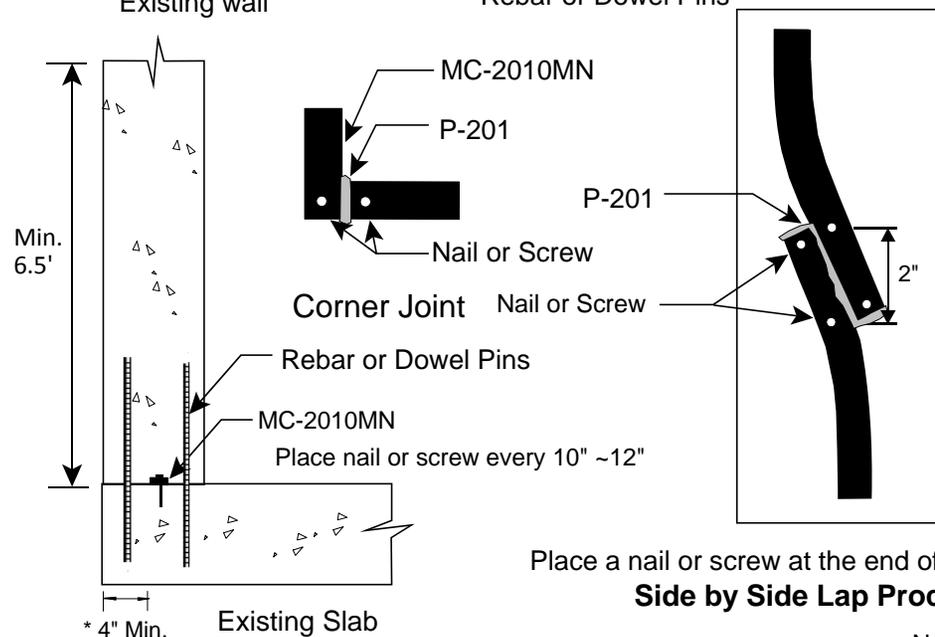
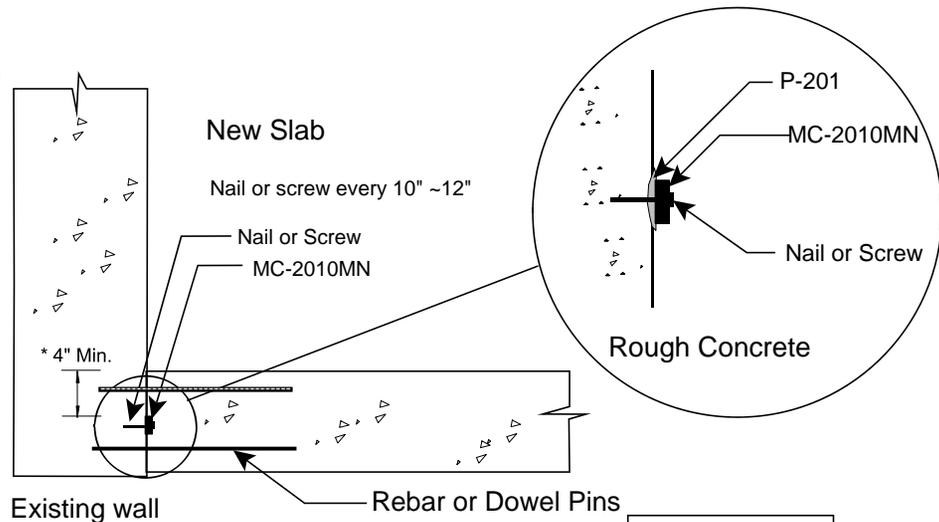
1. Attach with nails or concrete screws placed every 10" ~ 12" (approximately). If the concrete is rough, apply P-201 prior to attaching MC-2010MN. Do not allow any gaps between the waterstop and the concrete surface. Fill in any voids or gaps with Adeka P-201.

Smooth, clean and dry concrete:

2. Surface of the concrete must be clean, dry and free from any loose debris. Paint both concrete and MC-2010MN with appropriate adhesive (3M-2141, Bostik 1142, Scotch Grip 1357, 3M 77 spray adhesives, 3M 92 spray adhesive or similar). Allow adhesive to become tacky-firmly press MC-2010MN onto adhesive.

OR: Apply small bead of P-201 approximately $\frac{1}{4}$ " X $\frac{3}{8}$ ". Press MC-2010MN into bead of P-201. Smooth excess P-201 against side of MC-2010MN. Allow time to cure (estimate 1~2 days) before placing concrete. Place a nail or screw every 12~14 inches if concrete must be placed immediately. Place concrete without displacing or disturbing the position of the waterstop. Site conditions may warrant the use of a combination of attachment methods. Use P-201 on all corner joints and parallel splices.

*** IMPORTANT: The recommended minimum concrete coverage is 4". This is a safety factor for unknown concrete quality and compacting techniques. Call your local ADEKA ULTRASEAL® Representative or (800) 999-3959 for exact coverage details.**



Place a nail or screw at the end of each strip
Side by Side Lap Procedure

Not to Scale.

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