

# ADEKA ULTRA SEAL MC-2010MN OCM, Inc.

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## GENERAL DESCRIPTION

MC-2010MN is a chemically modified natural rubber product. This patented 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" water-stop. One from rubber's natural resilience and one from expansion.

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 sea water 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 general below grade concrete joint work where water intrusion must be prevented. MC-2010MN is designed to replace conventional waterstop. It is also used for 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". For complete coverage information see MC Coverage Data Sheet or call 800.999.3959.**

**MINIMUM WALL HEIGHT IS 6.5 FEET**

## PRODUCT DESCRIPTION:

**SIZE:** 20mm X 10mm - 0.78" X 0.39"

**PACKAGING INFORMATION:** 82 feet/case: 17.4 lbs/case

Hardness A30 (JIS K 6253)

Tensile Strength (MPa) 0.9 (JIS K 6251)

Elongation (%) 560 % (JIS K 6251)

Volume % Change : 120 % (In House)

Vulcanization No

Specific Gravity 1.18 (JIS K 6350)

(Tested by press sheet of MC compound)

**\* Property measurements are representative and are not considered as standard values.**

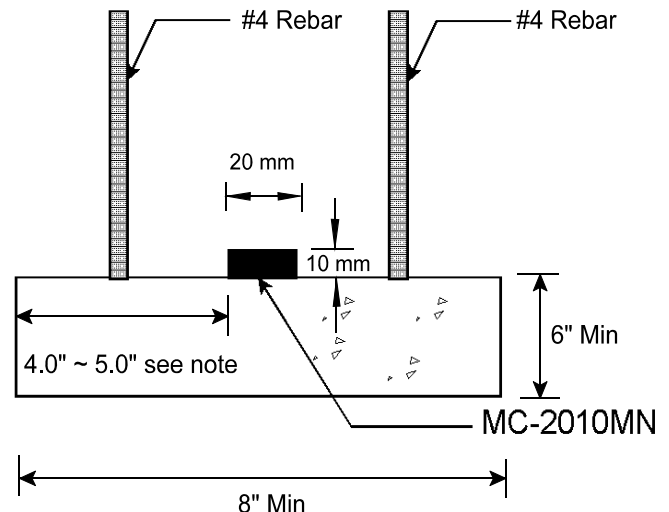
## INSTALLATION

**ALL METHODS OF INSTALLATION REQUIRE A MINIMUM OF 4.0" ~ 5.0" DEPENDING ON CONCRETE STRENGTH. SEE NOTE.**

**SMOOTH CONCRETE SURFACE:** Blast clean (using forced air, water, etc.) debris from the surface of the concrete. Apply 3M-2141 or Bostik 1142M adhesive to SSD (saturated surface dry) concrete and allow to set approximately 15 minutes or until tacky. Press MC-2010MN firmly into place. Parallel lap the ends a minimum of 2 inches when joining. Cut the strip to fit corners closely and apply P-201 over joint.

**ALTERNATE METHOD:** Nail/screw MC-2010MN in place using concrete nails/screws placed 10-12 inches apart. Apply tension to the strip while nailing to obtain close adhesion to the concrete.

**ROUGH SURFACE:** Blast clean (using forced air, water, etc.) debris from the surface. Apply a continuous bead of P-201 to SSD (saturated surface dry) concrete. Place MC-2010MN on the P-201 and nail/screw to hold in place if necessary.



**TYPICAL INSTALLATION**

# ADEKA ULTRA SEAL MC-2010MN

## General Installation Procedures

### Waterstop wall/slab joint

Place a small bead of Adeka Ultra Seal 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.

### Smooth, clean and dry concrete:

2. Use a fast setting rubber adhesive  
Example - 3M-2141, Bostik 1142M to fasten MC-2010MN to concrete. Follow adhesive manufacturers recommendation.

3. Use Adeka Ultra Seal P-201 on rough concrete. P-201 can be used on vertical or overhead rough concrete when fastened with screws or nails.

Site conditions may warrant the use of a combination of attachment methods. Use P-201 on all corner joints and parallel splices.

Keep MC-2010MN taut and flat against the concrete during the attaching process. Do not allow any gap between the concrete and the MC-2010MN.

**\* NOTE:** MC-2010MN must be placed between two rows of rebar. The required concrete coverage varies from 4" ~ 5" depending on concrete strength.

For complete coverage information see reverse side or see MC Coverage Chart at [www.adeka.com](http://www.adeka.com)

