



MM[®] MicroWaterSeal Tape

100% Solids V.O.C. Compliant

SPECIAL DATA

MM Systems Corporation • 50 MM Way, Pendergrass, GA 30567 • 866.506.6929 • www.mm-usa.com

DESCRIPTION

MM MicroWaterSeal Technology is an advanced formulation of synthetic uncured rubber (non-butyl) combined with an integral primer and adhesion catalyst. Microsealant Waterproofing Technology in the form of a waterproofing tape will generate a fusion bond at a molecular level to almost any selected substrate. The bond creates a tight, permanent, waterproof seal between dissimilar materials. It remains flexible from temperatures ranging down to -70°F (-56°C) and up to 300°F (148°C). This advanced technology results in an extremely stable and long lasting product that is resistant to ozone, oxygen and heat.

BASIC USE

MicroWaterSeal Tape has been engineered to bond elastoprene rubber, concrete and other substrate surfaces. Many MM Systems rubber seals, expansion joint systems and secondary rubber gutters utilize the MicroWaterSeal Tape as one of its key primary components.

ADDITIONAL USES

MicroWaterSeal Tape can be used for general waterproofing repair including sealing or bonding dissimilar materials to concrete and other substrate surfaces. It bonds to various rubber types such as EPDM, polychloroprene (Neoprene), Hypalon, thermoplastics (Elastoprene, Santoprene, etc.) and most PVC's. The tape will also bond to painted metals, coated metals, copper, and other flashing materials.

FEATURES

- Creates a weather proof and permanent bond between two or more similar or dissimilar surfaces.
- Pressure activated bonding process. For best results use steel roller.
- Tenacious bond to concrete, rubber, aluminum, galvanized steel and other substrates.
- 100% solids, conforms to VOC regulations.
- Moisture insensitive.
- Non shrinking

LIMITATIONS

- Surrounding substrate of concrete structural joint opening must be sound, dry, and free of any laitance, curing agents or foreign matter. Avoid rusty steel surfaces.



SIZES

Available as one sided or double sided 50 foot rolls in the following sizes:

- 1, 2 and 4 inch widths.
- 30 mil and 60 mil thickness.

PACKAGING

MicroWaterSeal Tape is supplied in 50 foot rolls in cardboard cartons.

STORAGE

All materials should be stored in a cool, dry location 60-80°F (15-27°C) prior to use.

PRECAUTIONS

For professional use only.

In case of eye contact, immediately flush (low pressure) with lukewarm water. Remove from skin with waterless hand cleaner. If swallowed call physician or poison control center. Chemical Family – Polyolefin and synthetic elastomer. Read and follow labels and Material Safety Data Sheet before use.

MM MicroWaterSeal Tape

PHYSICAL PROPERTIES

MicroWaterSeal Tape Physical Properties	Typical Value
Temperature Flexibility Range	-70° F to 300° F
Low Temperature Flexibility	½ in. radius at -30° F
Elongation	>500%
Dielectric Strength	>10 kV
Pliability	No Cracks
Shelf Life, @ 25°C (77°F)	5 years
Adhesion	19 lbs./in.
Water Vapor, 24 hours at 100° F	.005 grams / 100 sq.in.

DISCLAIMER:

All recommendations, technical data and test data contained in this data sheet are based upon the results of controlled laboratory tests or in actual field tests. However, MM Systems Corporation makes no warranty of any kind concerning this data. Due to variance in storage, handling and application to these materials, MM Systems Corporation accepts no liability for the results obtained. It is suggested that potential users try small applications to determine the suitability of each individual product for their project specific requirements.

SURFACE PREPARATION

Surface must be clean and free of any dust, oil, grease, laitance, curing compounds or any other contaminants. This should be achieved by abrasive blasting, water blasting or some other mechanical means. Remove oil and grease from metal surfaces with a non-residue cleaner such as acetone or lacquer thinner. All surfaces must be dry and free of standing water.

APPLICATION INSTRUCTIONS

1. Clean surfaces that will be in contact with Microsealant Tape..
2. Grab outer edges of tape with thumb & forefingers.
3. Push fingers together, bunching the tape in the middle.
4. In a fast motion, snap the tape forward and backward to release the liner.
5. Peel liner from tape and apply to prepared surface.
6. Apply pressure to activate bonding process. Use a steel roofer's roller for best results. The firmer the pressure or rubbing applied, the faster the bond.



Steel Roller



Apply firm pressure

LIMITED WARRANTY

MM Systems warrants its MicroWaterSeal Tape to be free of defects in material and conform to technical data listed. Since methods of application can affect performance and on site conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MM Systems sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages.

MM Systems reserves the right to amend or withdraw information contained herein, without notice, and will not be liable for any inaccuracy or ambiguity of said information.

Current Issue 7-29-15



Spec Data

50 MM Way, Pendergrass, GA 30567 • 706.824.7500 • www.mm-usa.com