

3M™ Condensation Management Film

Intermittent high humidity conditions — How to Apply

Prepare Surface

Clean surface with alcohol based cleaner approved for your facility and wipe surface dry. Select proper width of film (see selection guide).

Application directions

- 1. Apply** film along the bottom of the surface (pipe or panel, see diagram below). When applying the film adhere the center first leaving the outer edges unattached.
- 2. Smooth** from the center towards the edges to conform the film to the shape of the surface.
- 3. Seal** the edges with firm pressure along the length of the film.

Important

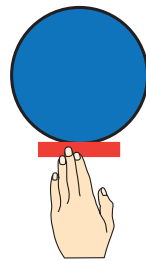
- Make sure there are no wrinkles on the edge of the film. If you get a wrinkle, pull film off and re-apply.
- Do not overlap the film.
- Start and stop film at pipe hangers or junctions.

Safety instructions

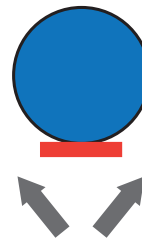
To reduce the risks associated with property damage, ensure the following:

- Always properly prepare the surface according to the manufacturer's recommendation or facility procedures.
- Always install product at temperatures between 45°F to 120°F.
- Do not let the film wrinkle, especially on edges. This may cause moisture to get behind the film.
- Always ensure adequate pressure is applied to all the edges of the film. Make sure the edges of the film are adhered to the surface securely.
- Do not overlap the film.
- Do not clean the film with high pressured water (over 150 psi) at the film. Spraying the film at higher pressure can be done at a distance.

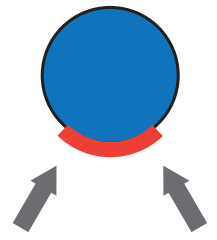
Pipes



1. Apply
Adhere the center along the length

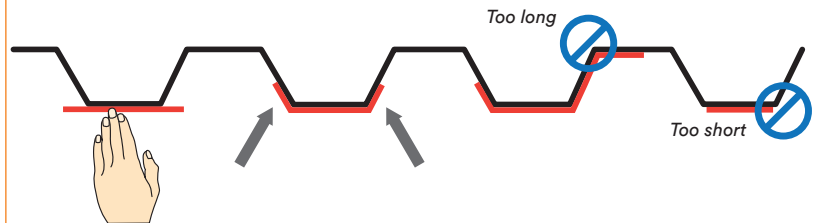


2. Smooth
Smooth from center towards edges



3. Seal
Seal edges using firm pressure

Panels



1. Apply
Adhere the center along the length

2. Smooth
Smooth from center towards edges

3. Seal
Seal edges using firm pressure

Selection Guide

Recommended Film Size

For Pipe Diameter:	Use Tape Width:
<2"	1"
2"-4"	2"
4"-12"	4"
>12"	Call

Notice: Not for use in managing continuous condensation.

Useful life of the film is dependent on conditions of the application. In most cases, the film should manage condensation for approximately 90-180 days.

How to Perform the Adhesion Test

Adhesion Test

1. Take the 2 inch roll of film and cut a piece approximately 6 inches long. This is the test piece.
2. Firmly press the test piece to the “cleaned” surface and seal the edges of the film. See reverse side on how to apply.
3. Pull one end of the film down approximately 1 inch.
4. Clamp the test weight (100g) to the 1 inch hanging piece you just created.
5. Observe the film.

PASS If the film does not move/release from the surface after 30 seconds, your surface is clean and you will have good adhesion.

FAIL If the film moves or pulls off the surface, then the surface must be cleaned better.

- a. Use the minimum 50% Isopropyl/water solution again to clean the surface and wipe the surface dry.
- b. Retest adhesion (see step 1 above).
- c. Repeat testing until you get good adhesion (Step 5A).

Troubleshooting: Why You Don't Get Adhesion

Surface is too wet.

If you see moisture on the surface and can wipe it with your finger, then the surface is too wet. Adhesive cannot bond to water.

Solution Wipe until dry (moisture not visible).

Surface is not clean.

Oils, fats, grease or foreign material is still on surface. These materials reduce the bonding of the adhesive to the surface.

Solution Use minimum 50% isopropyl/water solution to remove these materials.

Surface is too cold.

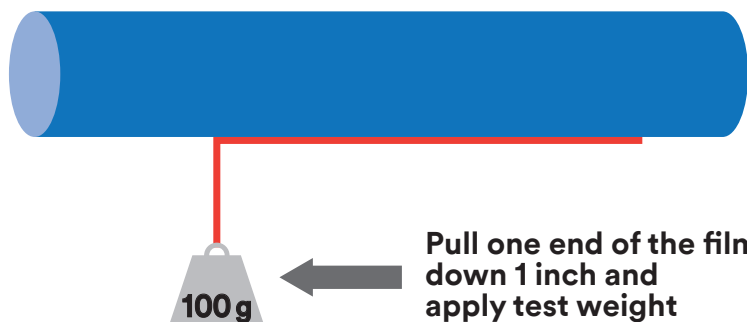
This adhesive bonding strength will be negatively impacted by temperatures <45°F.

Solution Apply film at 45°F or higher.

If the surface is clean, this film will adhere to these materials:

- Galvanized and Stainless Steel
- Plastic
- PVC
- Aluminum
- Copper

Pipes



Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. **Warranty, Limited Remedy, and Disclaimer:** Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.



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