

RTM Mounting Kit

For FlexiPanel Heaters

INSTALLATION PROCEDURES



The Heat Tracing Specialists®

RTM Mounting Kit Instructions

The following installation procedures are suggested guidelines for the installation RTM mounting kit. They are not intended to preclude the use of other methods and good engineering or field construction practices.

Receiving, Storing and Handling . . .

1. Inspect materials for damage incurred during shipping.
2. Report damages to the carrier for settlement.
3. Identify parts against the packing list to ensure the proper type and quantity has been received.

RTM Mounting Kit Contents . . .



Item	Quantity	Description
1	2	10.3 OZ. Tube of RTV Adhesive
2	1	Caulking Gun
3	1	RTM Roller
4	1	AL-20L Aluminum Tape 2" x 150 FT. (51mm x 45.7M)
5	1	Spreader
6	1	Marking Pen
7	8	Caution Lables

The RTM Mounting Kit is used to adhere Flexipanel Heaters to tank surfaces. Review the Flexipanel instruction manual prior to heater installation. (www.thermon.com) One RTM kit will install up to 8 square feet of heater area. (Kit includes 2 RTV tubes) Allow 4 square feet of heater per tube RTV and 35 square feet per roll tape. Additional RTV tubes and tape are available separately.



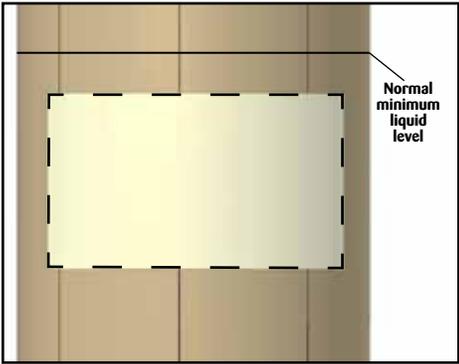
IMPORTANT! As per the installation manual, all heaters are to pass an insulation resistance test or “megger” as received, after installation on tank wall and after insulation is applied. Keep a copy of all test records. SEE MANUAL.

Installation Precautions . . .

- To minimize the potential for arcing and fire caused by product damage or improper installation use ground-fault protection. The National Electrical Code (NEC) and Canadian Electrical Code (CEC) require ground-fault protection of equipment for each branch circuit supplying electric heat tracing.
- Installation must comply with Thermon requirements and be installed in accordance with the NEC, CEC, or any other applicable national and local codes.
- Component approvals and performance ratings are based on the use of Thermon specified parts only. User supplied power connection fittings must be listed or certified for intended use.
- De-energize all appropriate power sources before performing installation.
- Keep kit components dry before and during installation.
- Individuals installing these products are responsible for complying with all applicable safety and health guidelines. Proper Personal Protective Equipment (PPE) should be utilized during installation. For additional information, contact Thermon.

INSTALLATION PROCEDURES

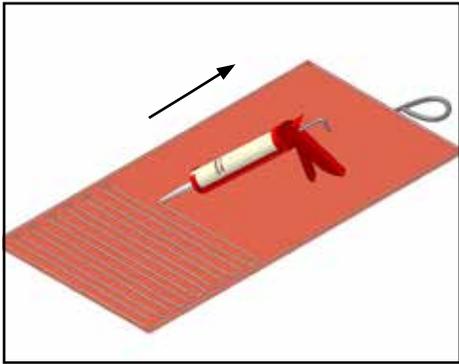
Before mounting heater, location must be free of moisture, dirt, grease, rust, weld splatter, etc. Use a wire brush or file to remove loose particles, weld splatter and sharp edges.



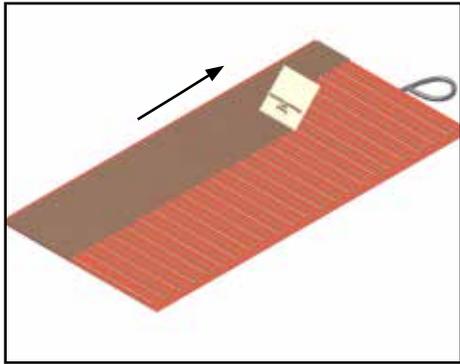
1. Position heater against tank wall exactly where it is to be mounted. With the marking pen trace the outline of the heater onto the tank wall.



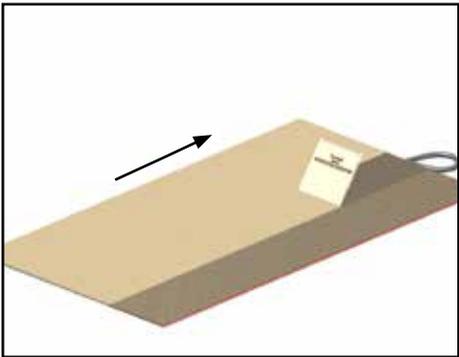
Important: Locate Flexipanel heaters below the normal minimum liquid level of the tank. Read label on heater.



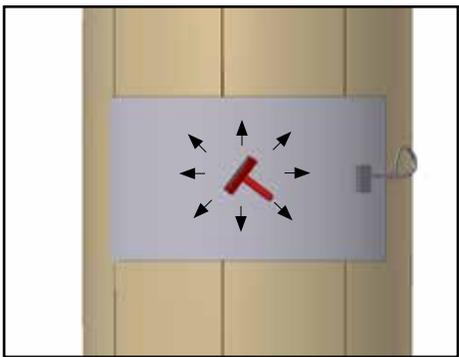
2. Load adhesive tube into caulking gun. Puncture seal and install nozzle. Cut 1/2" (13mm) off of nozzle tip for proper bead size. Apply bead of adhesive around edge of heater, then apply bead of adhesive across heater at 2" (51mm) spacing. In a similar manner apply adhesive to marked area on the tank wall.



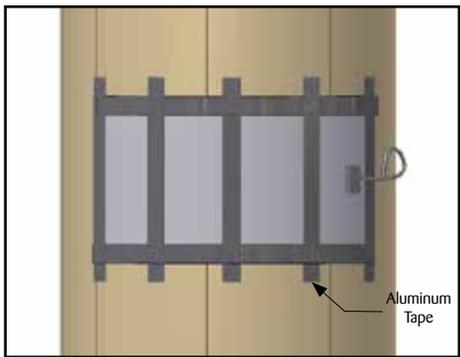
3. Immediately spread adhesive uniformly on both heater and tank wall using notched edge of Multi use spreader. Be sure entire heater and tank wall area are covered.



4. Smooth out adhesive ridges with the spreader. The final adhesive thickness should not exceed 1/32" (0.8mm).



5. Position heater into place within 5 minutes after applying adhesive. Delays will cause the adhesive to "skin over" resulting in heater not bonding to tank wall. Compress heater firmly onto tank wall. Using the roller, work out any air bubbles by running the roller over the backside of the heater from the center outward. The more pressure applied the better the adhesive and heater performance.



6. Secure heater to tank wall as required using aluminum tape. If spray on foam insulation is used seal all edges of heater with the tape to prevent lifting. Allow 24 hours for adhesive to cure before energizing. Secure caution label to exterior of insulation to identify vessel as electrically heat traced.





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Specifications and information are subject to change without notice. Form 50217-1112

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www.thermon.com