Double-sided Adhesive Roll Tape (Mount – 1235) Quick Overview

As part of an ongoing effort to continuously improve the gO-Measurement System user experience, greenTEG is releasing an improved version of the double-sided adhesive tape for mounting sensors. With superior sticking strength and mechanical durability, the new double-sided Adhesive Roll Tape makes it more reliable to mount and unmount gOMS sensors without complications.

This new adhesive is intended primarily for indoor use only. Therefore, we have distilled the entire mounting guide into 4 simple rules.

NOTE: This document is only a short summary to provide users a quick understanding of the Roll Tape. It is necessary to read the updated gOMS Mounting Recommendations manual for more detailed instructions and precautions on all gOMS mounting options provided by greenTEG.

Updated gOMS Mounting Rules

1. Always use Roll Tape indoors as the first choice for mounting all items
2. Always use Putty outdoors as the first choice for mounting all items
3. If Putty stains are undesirable or Putty is not adhering outdoors
    a) Use water-repellent double-sided adhesive strips (A-018902) for Nodes and Ambient Temperature Sensor Holders (A-018975) only
    b) Use Roll Tape for Surface Temperature/Heat Flux Sensors
4. If Roll Tape is not adhering for sensors outdoors, then use water-repellent adhesive strips to mount the sensors.

Roll Tape Mounting Procedure

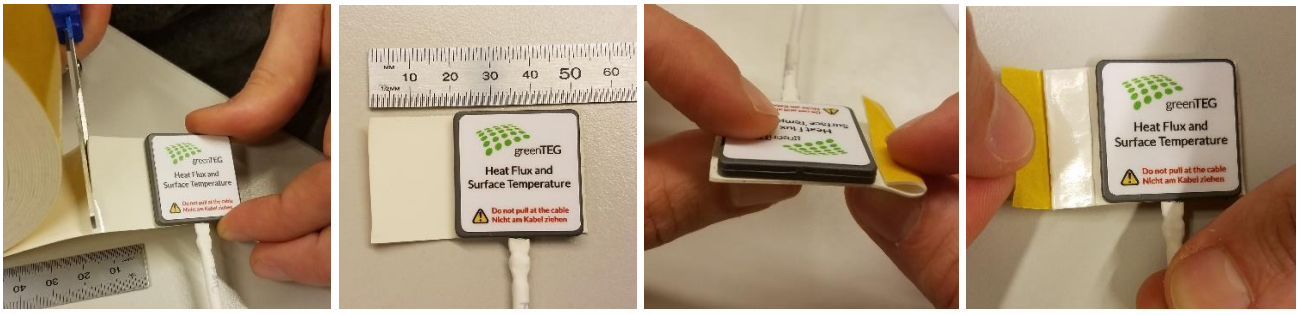

Figure 1: Left to right, Figure 1(a), 1(b), 1(c) and 1(d)

1. Ensure the wall mounting site is clean and dry by cleaning and removing all grease and dust residues.
2. Mount the sensor on the exposed side of the tape. Ensure the sensor cable is perpendicular to the direction of unfurling the tape roll as shown in Figure 1(a). This is to create a removal tab towards the side of the sensor.
3. Cut an additional 2cm length of tape extending beyond the edge of the sensor as in Figure 1(b)
4. Fold back the additional length of tape onto itself to create a removal tab as in Figure 1(c)
5. Peel off the yellow protective film as in Figure 1(d) and mount the sensor onto desired surface. Firmly and evenly apply pressure on the sensor using your fingers for 4-5 seconds to ensure good adhesion. Do not apply uneven pressure on the sensor using any hard objects.

6. Repeat the same adhesive tape cutting procedure for the node and ambient temperature sensor holder as shown in Figure 2.
7. After peeling off the yellow protective film, use your palm to apply a force of approximately 5kg to the node to the mounting position and hold for 4 to 5 seconds.
8. Proceed similarly for the Ambient Temperature Sensor holder.

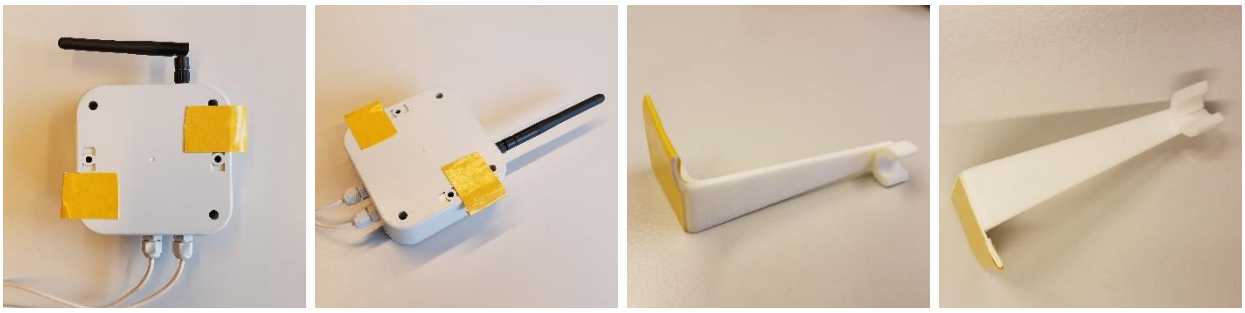

Figure 2: Applying Roll tape to the node and ambient temperature sensor holder.

Roll Tape Unmounting Procedure

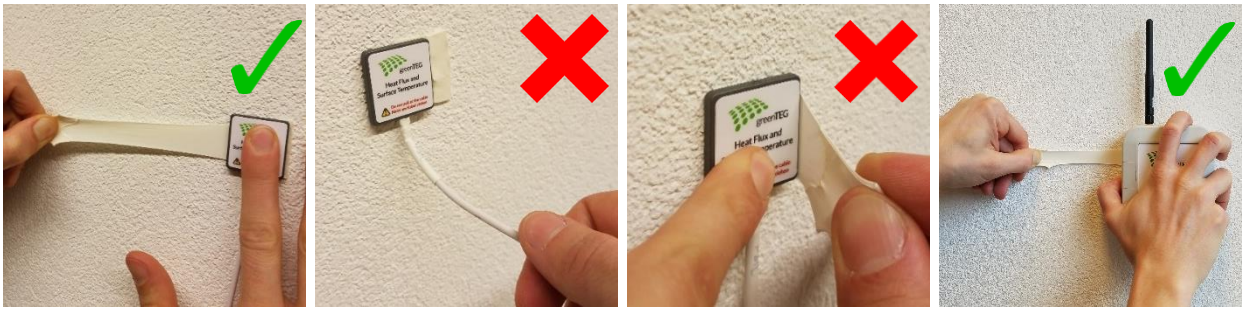

Figure 3: Left to right, Figure 3(a), 3(b), 3(c) and 3(d)

1. With one finger applying a gentle downward pressure on the heat flux/surface temperature sensor, use the other hand to pinch the removal tab and slowly pull it off in a direction parallel along the wall surface as shown in Figure 3(a).
   Note: If the sensor is not held down while the adhesive is being pulled off, this could result in the sensor being pulled off the wall with sudden force, potentially resulting in damage to the sensor or its connection.

Caution

- DO NOT remove the sensor by pulling at the cable as shown in Figure 3(b). This could damage the cable connection.
- DO NOT remove the sensor by pulling the removal tab in a direction out of the wall as shown in Figure 3(c). This results in uneven forces on the sensor, likely resulting in damage to the sensor.

2. To unmount the node, hold the node with one hand while using the other hand to pull the removal tab as shown in Figure 3(d).
3. Repeat similarly for the ambient temperature sensor holder