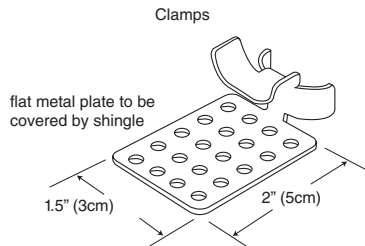


Installation Instructions

DT-AS-5020, DT-AS-5036, RM-25-AL CLIPS

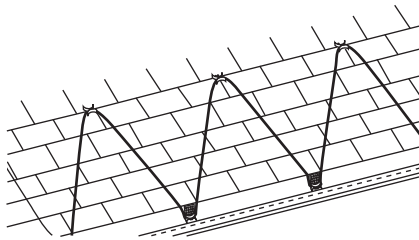
Stock And Specialty Roof Clips



Detail 1. DT-AS-5020 and 5036.

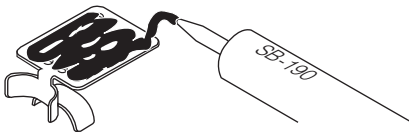
ATTACHING DT-AS-5020 ROOF CLIP TO ASPHALT SHINGLE ROOFS USING SB-190 ADHESIVE

1. Clean roof with water to remove dirt and debris. Let dry.
2. Determine de-icing cable layout and clip placement according to the Delta-Therm Roof, Gutter, and Downspout De-Icing Design Guide or drawing.



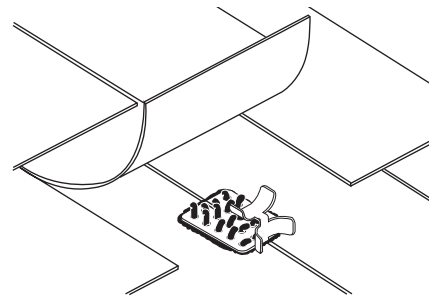
Detail 2. Typical de-icing cable layout.

3. Apply 0.2 oz. of SB-190 to the back of DT-AS-5020 clip. SB-190 minimum application temperature is 50°F (10°C). NOTE: SB-190 Should not be used over rubber membrane.



Detail 3. Apply SB-190.

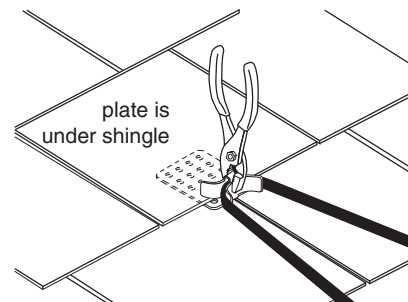
4. Orient the DT-AS-50 clip as needed.
Press down to ensure SB-190 adhesive flows through holes. Do not trim back SB-190 adhesive beads because they help hold the clip down.



Detail 4. Press cable to roof surface. Allow 24 hours before installing de-icing cable.

NOTE: Push shingle back down over the top of the clip to seal. Be sure clip clamps for holding cable are exposed.

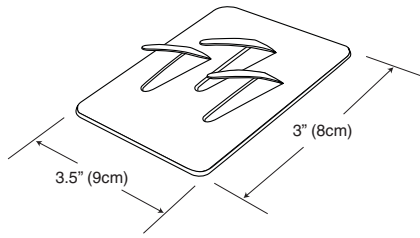
5. Allow 24 hours for SB-190 adhesive to cure before installing de-icing cable.
6. Install de-icing cable and use pliers to close the clip clamps, ensuring not to damage the cable.



Detail 5. Close clamps with pliers.

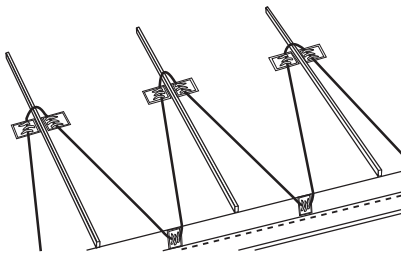
ATTACHING RM-25-AL ROOF CLIP TO STANDING SEAM METAL ROOFS USING VHB PADS.

The RM-25-AL clips are designed for standing seam metal roof applications only. To apply, use Delta-Therm double sided VHB Pads to adhere RM-25-AL clips to metal roof surfaces and gutters as show. VHB pads are for adhering metal to metal surfaces. (VHB pads cannot be used on asphalt shingles, coated metals or rubber membrane materials). VHB Pads are sold separately.



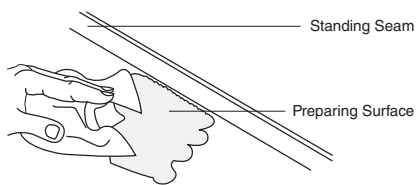
Detail 6. RM-25-AL.

1. Determine de-icing cable layout and clip placement according to the Delta-Therm Roof, Gutter, and Downspout De-Icing Design Guide or drawing.

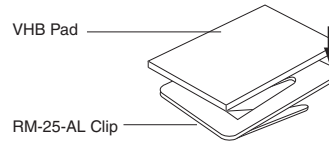


Detail 7. Typical de-icing cable layout.

2. Prepare roof surface removing oil and dirt.
3. Prime metal surface with recommended 3M product.

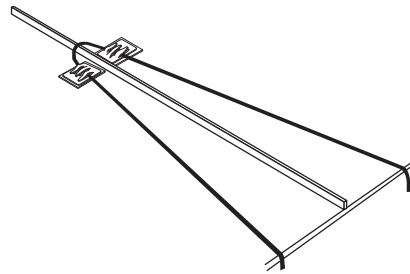


Detail 8. Remove oil and dirt from roof surface and prime.



Detail 9. Apply one VHB pad per clip.

4. Apply one VHB pad to the back of RM-25-AL clip.
5. Orient RM-25-AL clip as needed on prepared surface. Press down to ensure VHB pad adheres to surface.



Detail 10. Press RM-25-AL roof clip to surface.

6. Install cable and use a tool to close clamps, ensuring not to damage cable.

TECHNICAL SUPPORT A full set of installation instructions is included with order. Please call 1-800-526-7887 with any questions.