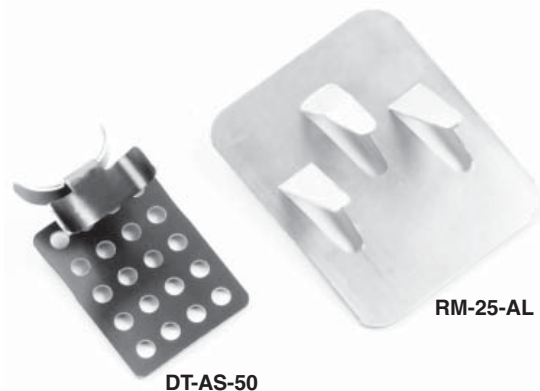


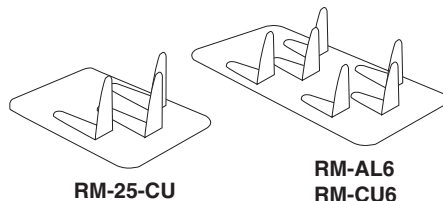
## DT-AS-50, RM-25-AL CLIPS

### Stock And Specialty Roof Clips



DT-AS-50

RM-25-AL

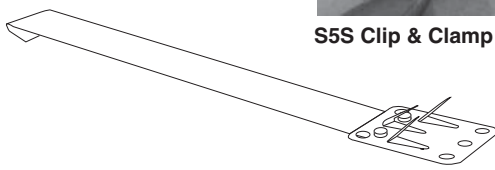


RM-25-CU

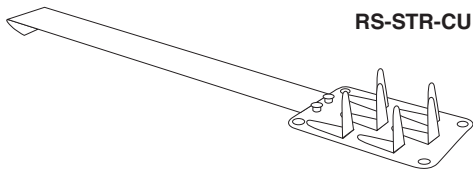
RM-AL6  
RM-CU6



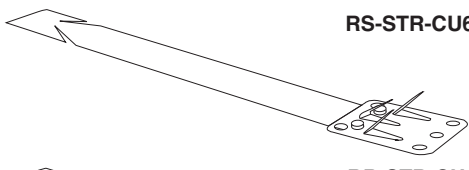
S5S Clip & Clamp



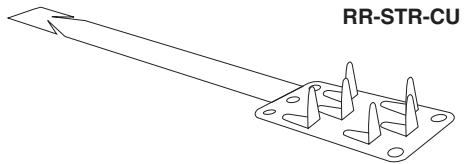
RS-STR-CU



RS-STR-CU6



RR-STR-CU



RR-STR-CU6

#### DESCRIPTION

The DT-AS-50 and RM-25-AL are stock roof clips for asphalt shingle and metal roofs. Specialty clips are available by special order.

#### STOCK CLIPS

##### DT-AS-50

Roof clips for asphalt shingle roofs (package of 50) - These clips can be installed on asphalt shingle and metal roof materials using SB-190 adhesive (SB-190 cannot be used on copper materials or rubber membrane materials)

NOTE: Do not use with VHB pads.

##### RM-25-AL

Aluminum clips for metal roofs (package of 25) - These clips can be installed on standing seam metal roofs using SB-190 adhesive (SB-190 cannot be used on copper materials or rubber membrane materials) or VHB pads (VHB pads cannot be used on asphalt shingles or rubber membrane materials).

#### SPECIALTY CLIPS

##### S5S CLIP & CLAMP

Single run aluminum clip and clamp for attachment to standing seams on metal roofs.

##### RM-25-CU

Single run copper clips for metal roofs (package of 25).

##### RM-AL6 AND RM-CU6

Dual run aluminum or copper clips for metal roofs.

##### RS-STR-CU AND RS-STR-CU6

13.5" hooked copper strap with single and dual run clips for slate or cedar shake shingle. Custom lengths available.

##### RR-STR-CU AND RR-STR-CU6

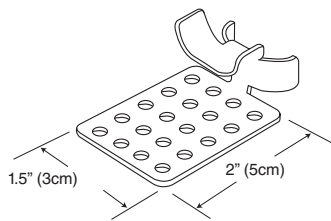
13.5" slotted copper strap with single and dual run clips for slate or cedar shake shingle. Custom lengths available.

#### INSTALLATION

Please refer to adhesive directions for minimum application temperature and duration of adhesive curing time before installing the de-icing cable. Check primer requirements if using VHB pads.

RS and RR clips are mechanically fastened and do not require adhesive.

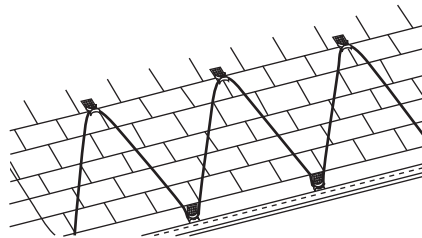
Copper clips are soldered to copper roof materials.



**Detail 1.** DT-AS-50.

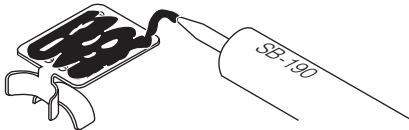
**ATTACHING DT-AS-50 ROOF CLIP TO ASPHALT SHINGLE ROOFS USING SB-190 ADHESIVE**

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.



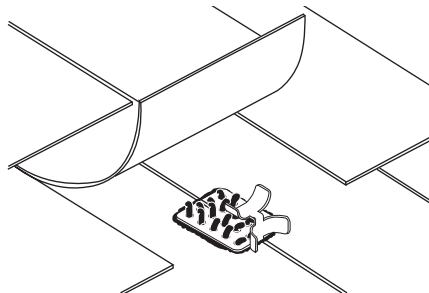
**Detail 2.** Typical de-icing cable layout.

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



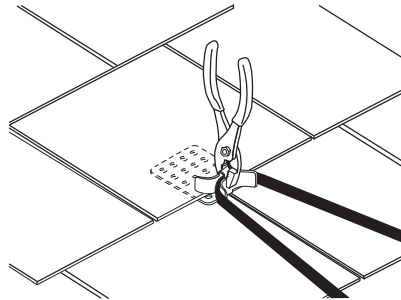
**Detail 3.** Apply SB-190.

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.

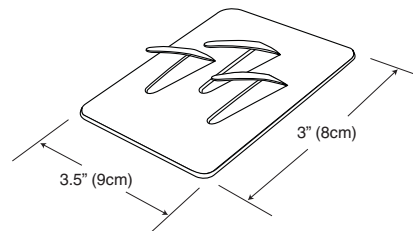
5. Allow 24 hours for SB-190 adhesive to cure before installing de-icing cable.
6. Install de-icing cable and use pliers to close the clip clamps, ensuring not to damage the cable.



**Detail 5.** Close clamps with pliers.

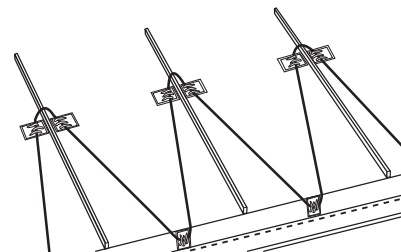
**ATTACHING RM-25-AL ROOF CLIP TO STANDING SEAM METAL ROOFS USING VHB PADS.**

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.



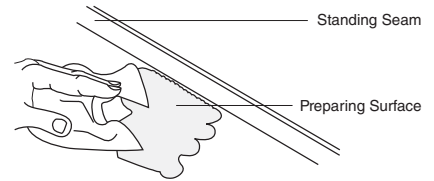
**Detail 6.** RM-25-AL.

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

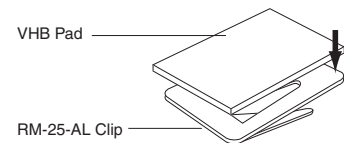


**Detail 7.** Typical de-icing cable layout.

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

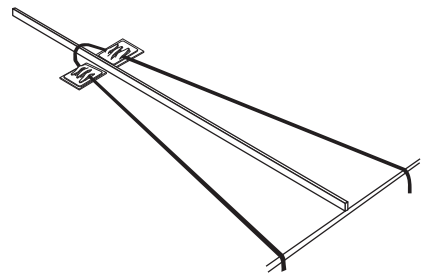


**Detail 8.** Remove oil and dirt from roof surface and prime.



**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.