






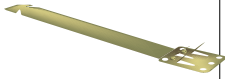
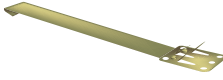
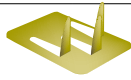
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We received a great suggestion from Jim D'Amico at Delta Electric to create a sheet on our recommendations for roof clips and adhesives. Please keep the suggestions coming and we will address them in quarterly newsletters!

ROOF CLIP AND ADHESIVE RECOMMENDATIONS							
ROOF TYPE	ROOF CLIP	ADHESIVE	MINIMUM APPLICATION TEMPERATURE	CURING TIME PRIOR TO CABLE INSTALL	COMMENTS		
Asphalt	 DT-AS-50	 SB-190	50°F (10°C)	24 Hour Cure Time	For maximum bonding strength adhere DT-AS-50 between two layers of shingles. Do not use SB-190 on copper or rubber membrane surfaces.		
Standing Seam Metal	 RM-25-AL	 VHB Pad		Bond Strength		All surfaces must be cleaned and prepared with 50:50 mixture of isopropyl alcohol and water before applying VHB Pad. Do not use VHB pad on asphalt, copper, or rubber membrane surfaces.	
			70°F (22°C)	50%	90%		100%
			50°F (10°C)	20 Min.	24 Hours		72 Hours
Rubber Membrane	Single Ply Thermo Plastic EDPM Bitumen  DT-AS-50	2 Part Epoxy*	per manufacturer specifications		We will be testing optional bonding agents this year.		
Slate	 Custom Clip For Retrofit	non-applicable	non-applicable		Slide roof clip around the nails used to anchor the slate.		
Slate	 Custom Clip For New Construction	non-applicable	non-applicable		Hook roof clip over the slate shingle.		
Copper	 Custom Copper Clip	solder	non-applicable				
Glass	Please call Delta-Therm (800-526-7887).						
Cedar Shake or Wood	non-applicable	non-applicable	non-applicable		We do not recommend installing deicing cables on wood surfaces.		

* According to the National Roofing Contractors Association (NRCA) you can use any 2-part epoxy available at your local hardware store. NRCA Tech Support Line: (847) 299-9070.

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