

# RIM2

## CONNECT AND PROTECT

### Roof Ice Melt system for concealed roof & gutter de-icing

#### PRODUCT OVERVIEW

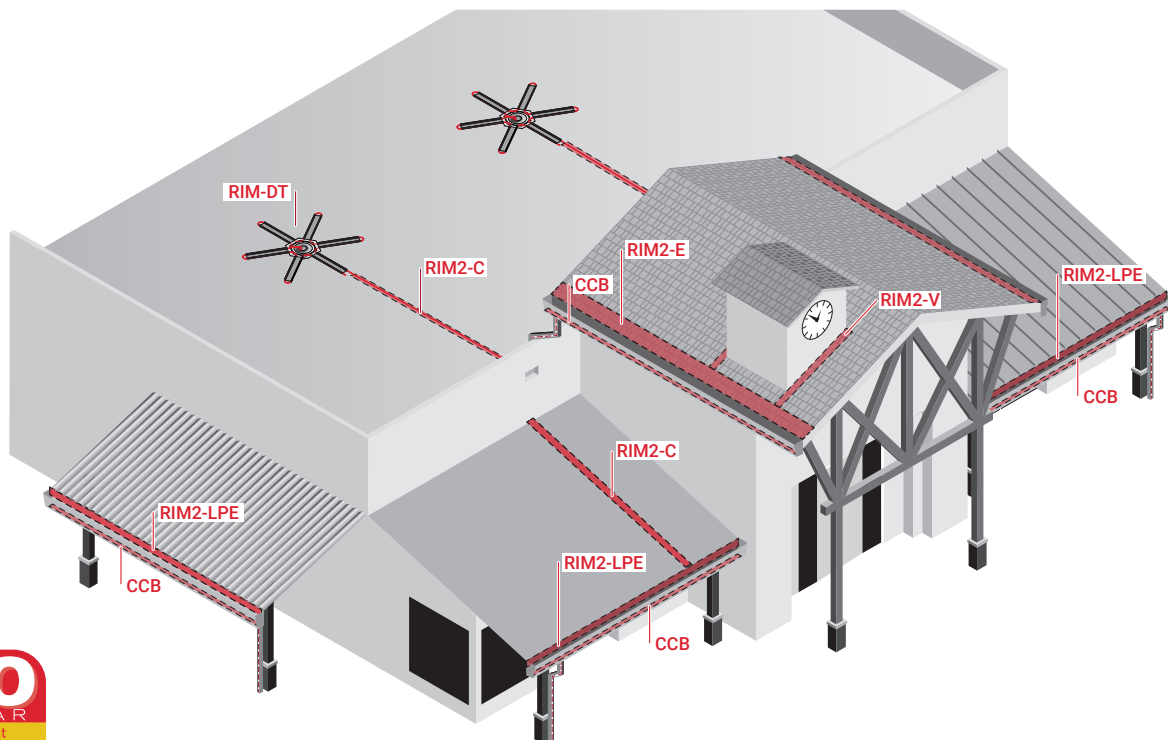
The nVent RAYCHEM Roof Ice Melt (RIM) system is our premier engineered, aesthetically elegant, concealed roof & gutter de-icing solution to prevent ice dams, icicles, and frozen gutter problems. The RIM system mechanically protects the self-regulating cable, provides high power output along the entire roof edge, and is ideal for new construction or renovation of buildings for all snow load areas, for residential or commercial buildings.

nVent RAYCHEM RIM2 system panels secure the heating cables in a fixed heat transfer position. They are specifically designed for eaves, valleys, channels, rakes and flat roof sections and come in a variety of aesthetically pleasing

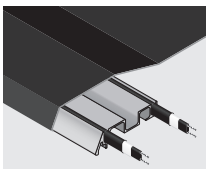
colors and finishes as standard or custom options to meet any project need.

This maintenance-free RIM2 panel system embeds two runs of energy-efficient nVent RAYCHEM WFP self-regulating heating cable and is designed for light to moderate snow load areas with roof snow accumulation under 15 inches, and annual snowfall of under 100 inches. This data sheet will detail this system.

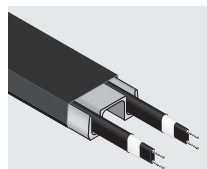
For color options with Aluminum cover panel, please refer to the RIM color guide (H59379).



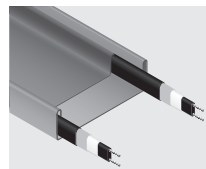
RIM2-E | Eave Panel



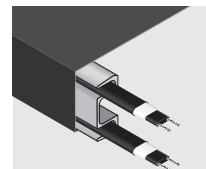
RIM2-V | Valley Panel



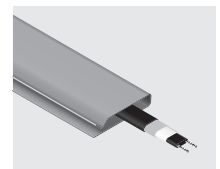
RIM2-C | Channel Panel



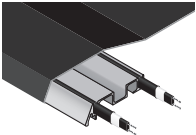
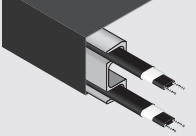
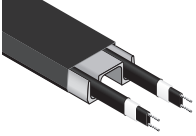
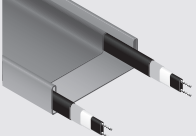
RIM2-LPE | Low Pitch Eave Panel





CCB | SHOWN with Self-Reg Cable



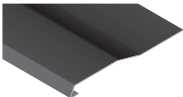
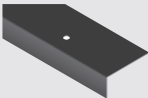
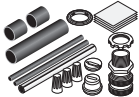
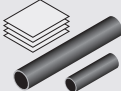
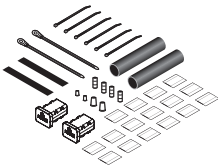




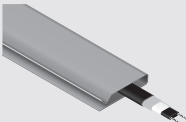
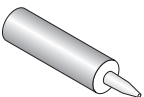
## PANEL SYSTEMS

Catalog number	Part number	Description
<b>RIM2-E</b> 	F6237-**-**-*	<p>RIM2 Eave (RIM2-E) system is designed to mount on the roof eave, to minimize the formation of ice dams and icicles. RIM2-Eave panels embed 2 runs of self-regulating heating cable for a more energy efficient solution.</p> <p>Available in Aluminum and Copper cover panels                      Weight: 2,035.75 lb/1000 ft</p>
<b>RIM2-LPE</b> 	F6258-**-**-*	<p>RIM2 Low Pitch Eave (RIM2-LPE) system is specifically designed for integration with metal roof systems and for applications involving roof pitch of less than 3:12. RIM2-LPE uses two runs of self-regulating heating cable.</p> <p>Available in Aluminum and Copper cover panels                      Weight: 1,696.75 lb/1000 ft</p>
<b>RIM2-V</b> 	F6287-**-**-*	<p>RIM2 Valley (RIM2-V) system is designed to mount in the roof valleys to minimize the formation of ice dams and icicles in roof valleys. RIM2-V panels embed 2 runs of self-regulating heating cable.</p> <p>Available in Aluminum and Copper cover panels                      Weight: 677.50 lb/1000 ft</p>
<b>RIM2-C</b> 	F6222-**-**-*	<p>RIM2 Channel (RIM2-C) system is designed to mount on the roof and provide a heated channel for the snow melt to flow from one section of the roof to the other, usually a drain or eave. RIM2-C panels embed 2 runs of self-regulating heating cable.</p> <p>Available in Aluminum and Copper cover panels                      Weight: 728.75 lb/1000 ft</p>

## HEATING CABLES

Catalog number	Part number	Description
<b>WFP-612</b> 	P000000222	WFP self-regulating heating cable, 120 V
<b>WFP-622</b> 	P000000223	WFP self-regulating heating cable, 240 V

**CONNECTION KITS & ACCESSORIES**

Catalog number	Part number	Description
<b>RIM2-EPSC</b> 	R6209-**-**v	<p>RIM2 Eave Panel Splice Cover (RIM2-EPSC) is designed to cover the joints between RIM2-E panels on the roof.</p> <p>Available in Aluminum and Copper cover panels</p>
<b>RIM2-EPEB</b> 	R6016-23	<p>RIM2 Eave Panel End Bracket, Black (RIM2-EPEB) is designed to cover the ends of RIM2-E panels on the roof.</p>
<b>WPCK-R</b> 	F1012	<p>WPCK-R is a CSA Certified and UL Listed power connection kit for RIM system. Materials for one power connection kit and end seal are provided.</p>
<b>WHES</b> 	F1009	<p>WHES is a CSA Certified and UL Listed end seal kit for RIM system. Materials for one end seal are provided.</p>
<b>FTC-HST-PLUS</b> 	P000004419	<p>FTC-HST-PLUS is a CSA Certified and UL Listed splice/tee kit for RIM system. Materials for two splices or tee are provided. A One or two WHES end seals are required.</p>
<b>JB-55</b> 	F0300	<p>JB-55 is a CSA Certified and UL Listed junction box that can be used for a power connection kit for RIM system in conjunction with WPCK-R. Junction box dimensions 5"x5".</p>
<b>JB-75</b> 	F0303	<p>JB-75 is a CSA Certified and UL Listed junction box that can be used for a power connection kit for RIM system in conjunction with WPCK-R. JB-75 allows powering up to 3 cables (powered tee). Junction box dimensions 7"x5".</p>
<b>DSH</b> 	B0402	<p>Downspout hanger (DSH) is used to protect the heating cable from sharp edges at the corner of gutter and downspout.</p>
<b>HFF DSH</b> 	F0110	<p>Heater Feedthrough Fitting (HFF) is used as a gland kit when the heating cable penetrates the gutter or downspout.</p>
<b>CCB</b> 	R6201-**-**	<p>Cable Cover Bracket (CCB) is designed to mount on roofs or gutters and embeds one or two runs of self-regulating heating cable. It enhances the heat transfer from the heating cable to the snow, creating larger drain paths.</p> <p>Available in Aluminum and Copper cover panels                      Weight: 17 lb/1000 ft</p>
<b>RIM Adhesive/ Sealant</b> 	B1626	<p>RIM Adhesive/Sealant is a silicone sealant used to attach selected RIM systems to the underlying surface. Please refer to appropriate installation instructions included with the system. 10.3 oz. tube.</p>

## **APPROVALS**

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WFP heating cables are UL Listed and CSA Certified only when used with the appropriate agency-approved nVent RAYCHEM connection kits and accessories. For approvals information, refer to the WFP heating cable data sheet (H59576).

## **DESIGN AND INSTALLATION**

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For proper design and installation of a RIM2 system, use the appropriate product design guide (H59561) and the installation instructions included with the system (H59375).

## **GROUND-FAULT PROTECTION**

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To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of nVent, agency certifications, and national electrical codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. Many nVent RAYCHEM control and monitoring systems meet the ground-fault protection requirement.

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