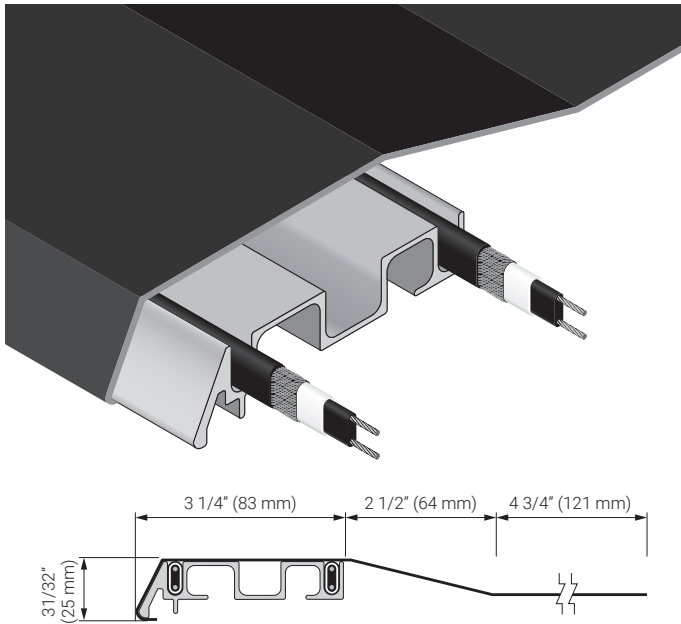


### Eave panel system for concealed roof & gutter de-icing



#### PRODUCT OVERVIEW

nVent RAYCHEM Roof Ice Melt (RIM) systems are designed to eliminate icicles and ice dam problems in wide range of applications.

The nVent RAYCHEM RIM2 Eave (RIM2-E) system is used for snow melt on roof eaves. The system consists of nVent RAYCHEM WFP heating cable, Aluminum extrusion designed to fit the cable and a cover panel for efficient heat transfer. The RIM2-E system uses two runs of WFP cable providing adequate power output necessary for moderate snow load areas.

RIM systems provide:

- Long term roof deicing solution by mechanically protecting the heating cable
- Aesthetically pleasing solution by concealing the heating cable and complete snow melt along the roof eave
- High performance and reliable solution for moderate snow load areas



#### CATALOG NUMBER

|                     |          |
|---------------------|----------|
| RIM2-E, Eave System | Copper   |
| RIM2-E, Eave System | Aluminum |

#### CONTENTS

|        |   |
|--------|---|
| RIM2-E | Extrusion (1 ft per foot of RIM2-E)         |
|        | Cover Panel (1 ft per foot of RIM2-E)       |
|        | WFP Heating Cable (2 ft per foot of RIM2-E) |

#### MATERIALS OF CONSTRUCTION

|             |          |
|-------------|----------|
| Extrusion   | Aluminum |
| Cover Panel | Aluminum |
|             | Custom   |

Note: Refer to the RIM color guide (H59379) for a complete list of custom color options.

#### ADDITIONAL MATERIALS (AS REQUIRED)

|   |   |
|---|---|
| Power Connection kits (WPCK-R)            | Contains a heat shrink power connection and end seal designed for RIM systems   |
| Splice/Tee Connection kits (FTC-HST-PLUS) | Heat shrink splice or tee kit designed for RIM systems  |
| Eave Splice Covers (RIM2-EPSC)            | Splice covers to cover the panel joints on the eaves  |
| Eave Panel End Brackets (RIM2-EPEB)       | End brackets to cover the ends of eave panels   |
|   | Note: Only approved connection kits and accessories must be used with RIM systems. Refer to the RIM design guide (H59561) for proper selection. |
| End Seal kits                             | Heat shrink end seal kit designed for RIM systems   |

## PRODUCT SPECIFICATIONS (NOMINAL)

|                                  |  |
|----------------------------------|--|
| Power Output                     | 16 W/ft of RIM2-E (52 W/m of RIM2-E) in snow or ice  |
| Minimum Installation Temperature | 0°F (-18°C)  |
| Overall Cover Dimensions         | Width: 11 in (279 mm)<br>Thickness: 31/32 in (25 mm) |
| Overall Extrusion Dimensions     | Width: 3 1/8 in (79 mm)<br>Thickness: 5/8 in (16 mm) |
| Weight                           | 2035 lb/1000 ft (3028 kg/km)                         |

## HEATING CABLE SPECIFICATIONS (NOMINAL)

|                     |                       |
|---------------------|-----------------------|
| Voltage             | WFP-612: 120 Vac      |
|                     | WFP-622: 208- 277 Vac |
| Minimum Bend Radius | 5/8 in (16 mm)        |

## CABLE SELECTION

| Model number | Operating voltage | Power output in Snow/Ice (nominal) | Maximum circuit length vs Breaker size |        |              |        |
|--------------|-------------------|------------------------------------|--|--------|--------------|--------|
|              |                   |                                    | 20A CB @ 0°F                           | @ 32°F | 30A CB @ 0°F | @ 32°F |
| WFP-612      | 120 Vac           | 8 W/ft                             | 130 ft                                 | 165 ft | 195 ft       | 240 ft |
| WFP-622      | 208-277 Vac       | 8 W/ft                             | 270 ft                                 | 330 ft | 405 ft       | 480 ft |

Note: For 208 Vac application, multiply power output at 240 Vac by 0.85.  
For 277 Vac application, multiply power output at 240 Vac by 1.12.

## APPROVALS

The WFP-612 and WFP-622 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).

## GROUND-FAULT PROTECTION

To minimize the danger of fire from the 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.

## North America

Tel +1.800.545.6258  
Fax +1.800.527.5703  
thermal.info@nvent.com



Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**