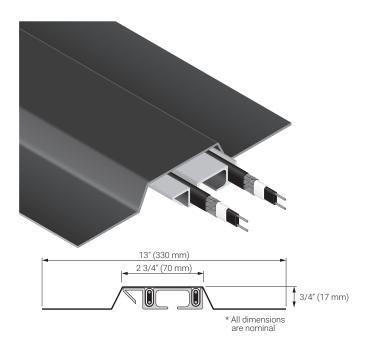
RIM-S



SNOWMELT PANEL SYSTEM FOR CONCEALED ROOF & GUTTER DE-ICING



PRODUCT OVERVIEW

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

RIM Snow Melt nVent RAYCHEM (RIM-S) system is designed to create wider snow melt paths on the roof. These can be used for snow melt in large gutters or on roof sections between standing seams or to provide melt paths to access sections of roof. The system consists of high wattage RAYCHEM IceStop electric heating cable, Aluminum extrusion designed to fit the cable and a cover panel for efficient heat transfer. The RIM-S system uses 2 linear runs of heating cable with power output necessary for heavy snow load areas.

RIM systems provide:

Custom (Corten, Zinc, Lead coated copper etc.)

- Long term roof deicing solution by mechanically protecting the heating cable
- Aesthetically pleasing solution by concealing the heating cable
- High performance and reliable solution for heavy snow load areas



CATALOG NUMBER

CONTENTS	RIM-S, Snowmelt System, copper RIM-S, Snowmelt System, aluminum					
RIM-S	Extrusion (1 ft per foot of RIM-S)					
	Cover Panel (1 ft per foot of RIM-S)					
	IceStop Heating Cable (2 ft per foot of RIM-S)					
MATERIALS OF CONSTRUCTION						
Extrusion	Aluminum					
Cover Panel	Aluminum (available in 30 colors. Please refer to RIM color guide H59379)					

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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 (WSTK)

Heat shrink splice or tee kit designed for RIM systems

RIM Adhesive/Sealant Silicone adhesive for RIM systems

Note: Only approved connection kits and accessories must be used with RIM Systems.

Refer to RIM design guide (H59561) for proper selection.

PRODUCT SPECIFICATIONS (NOMINAL)

Power Output 24 W/ft of RIM-S (79 W/m of RIM-S) in snow or ice

Minimum Installation Temperature 0°F (-18°C)

Overall Cover Dimensions Width: 13 in (330 mm)

Thickness: ¾ in (19 mm)

Overall Extrusion Dimensions Width: 2 1/2 in (63 mm)

Thickness: ¾ in (19 mm)

Weight 1510 lb/1000 ft (2247 kg/km)

HEATING CABLE SPECIFICATIONS (NOMINAL)

Voltage IceStop GM-1X: 120 Vac

IceStop GM-2X: 208-277 Vac

Minimum Bend Radius 5/8 in (16 mm)

MAXIMUM CIRCUIT LENGTH IN FEET (METERS)

	Start-up temperature		Circuit breaker size							
			15 A		20 A		30 A		40 A	
GM-1X at 120 volts	32°F	(0°C)	100	(30)	135	(41)	200	(61)	_	
	20°F	(-7°C)	95	(29)	125	(38)	185	(56)	200	(61)
	0°F	(-18°C)	80	(24)	100	(30)	155	(47)	200	(61)
GM-2X at 208 volts	32°F	(0°C)	190	(58)	250	(76)	380	(116)	_	
	20°F	(-7°C)	180	(55)	235	(72)	355	(108)	380	(116)
	0°F	(-18°C)	145	(44)	195	(59)	290	(88)	380	(116)
GM-2X at 240 volts	32°F	(0°C)	200	(61)	265	(81)	400	(122)	_	
	20°F	(-7°C)	190	(58)	250	(76)	370	(113)	(122)	400
	0°F	(-18°C)	155	(47)	205	(62)	305	(93)	400	(122)
GM-2X at 277 volts	32°F	(0°C)	215	(66)	290	(88)	415	(126)	_	
	20°F	(-7°C)	200	(61)	265	(81)	400	(122)	415	(126)
	0°F	(-18°C)	165	(50)	225	(69)	330	(101)	415	(126)

APPROVALS

The IceStop heating cables are UL Listed and CSA Certified only when used with the appropriate agency-approved nVent connection kits and accessories. For approvals information, refer to the IceStop heating cable data sheet H56428.

GROUND-FAULT PROTECTION

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 RAYCHEM control and monitoring systems meet the ground-fault protection requirement.

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