CONNECT AND PROTECT

MAKE YOUR ROOF WINTER SAFE!

Eliminate ice dams

nVent

RAYCHEM

Does this Happen to Your Roof?

ICE DAMS BUILD OVER SEVERAL STORMS

Ice dams and icicles form when accumulated snow on the roof melts and refreezes at the eaves and valleys before flowing into the drainage system. Ice dams are created over several storms, not a single event. As snow sits on the roof, solar energy and heat from within the building melt the snow.

- Snow is an insulator and will trap heat from the building and begin to melt.
- Snow is porous. The water flows through the snow to the eave and freezes. This begins the ice dam process.
- Ice forming on the eave retains the melt water, freezing it when temperatures drop, creating a bigger ice dam.
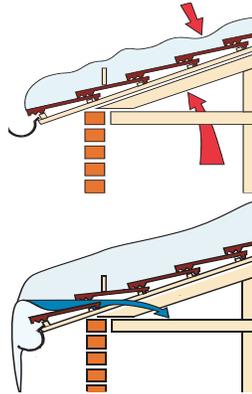
Risk for damage and safety hazard:

- An ice dam allows water to flow up under the shingles, potentially causing damage to the roof.
- Heavy snow can damage roofs, gutters and downspouts, or cause the roof to collapse.
- Icicles are dangerous for pedestrians and it is the legal obligation of a building owner to prevent or remove them.
- An unprotected roof is at risk for serious and costly damage.

Our Solutions

MAKE YOUR ROOF WINTER SAFE!

Protect your roof with RAYCHEM heating systems.
Eliminate ice dams by ensuring a continuous path whereby melting ice and snow drains safely off.

FrostGuard, Gardian and WinterGard

nVent RAYCHEM's basic solutions offer simple preassembled plug-in kits and easy-to-install heating cables. Ideal for these conditions/desired features:

- Residential or small commercial buildings
- 120 V or 240 V; 8 W/ft @ 30°F
- Gutters up to 6" in width
- Preassembled plug-in
- Pre-terminated lengths
- Polyolefin jacket
- Light to moderate snow load areas

2 YEAR Product warranty

IceStop

RAYCHEM's high performing, cut-to-length heating cable solution meets the most stringent code requirements. Ideal for these conditions/desired features:

- Large commercial buildings
- 120 V or 208-277 V; 12 W/ft @ 30°F
- Gutter >6" in width
- Hazardous Locations (Fuel Loading Areas)
- Fluoropolymer jacket
- Advanced control options
- Light to heavy snow load areas

10 YEAR Product warranty

Roof Ice Melt (RIM)
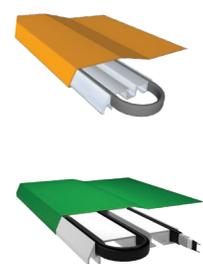
RAYCHEM's premiere, highest performing, aesthetically elegant roof & gutter de-icing solution is designed with cables that are concealed in panels. Ideal for these conditions/desired features:

- All building types
- Better aesthetics with concealed cable
- 120 V or 208-277 V; up to 36 W/ft @ 30°F
- Gutter >6" in width
- Mechanical cable protection
- Available in 32 colors or copper
- Standard & Custom options
- Advanced control options
- ALL snow load areas

20 YEAR Product warranty

Roof & Gutter System Estimate Form

Email completed form to your nVent Sales Rep for a complete Bill of Materials and quote!

Need Quote For: ❑ HEATING CABLE SYSTEM   ❑ RIM CONCEALED SYSTEM   ❑ BOTH

CHECK OUT OUR ONLINE ROOF & GUTTER DE-ICING DESIGN TOOL at **www.nVentthermal.com** by selecting the Commercial or Residential segment -> Resources and click on the **Roof & Gutter De-Icing Calculator** design tool.

H59869 1905

1. Building Type & Conditions: (check all that apply)	❑ House	❑ Small shop / strip mall	❑ High-rise residential /multi-use bldg.	❑ Commercial building
	❑ New Construction	❑ Retrofit		
	Annual Snow Fall	❑ less than 100 inches	❑ more than 100 inches	
2. Area Name:				
3. Type of Roof:	❑ Sloped Roof Shingle Metal Roof–Seams ❑ 18" ❑ 24" ❑ _____" ❑ Don't Trace Roof	❑ Sloped Roof Shingle Metal Roof–Seams ❑ 18" ❑ 24" ❑ _____" ❑ Don't Trace Roof	❑ Sloped Roof Shingle Metal Roof–Seams ❑ 18" ❑ 24" ❑ _____" ❑ Don't Trace Roof	❑ Sloped Roof Shingle Metal Roof–Seams ❑ 18" ❑ 24" ❑ _____" ❑ Don't Trace Roof
4. Roof Pitch:	❑ Less than 3/12 ❑ Equal to or more than 3/12	❑ Less than 3/12 ❑ Equal to or more than 3/12	❑ Less than 3/12 ❑ Equal to or more than 3/12	❑ Less than 3/12 ❑ Equal to or more than 3/12
5. Length of Roof Edge:	_____ feet	_____ feet	_____ feet	_____ feet
6. Eave Overhang Distance:	❑ 0" ❑ 12" ❑ 24" ❑ 36" ❑ _____"	❑ 0" ❑ 12" ❑ 24" ❑ 36" ❑ _____"	❑ 0" ❑ 12" ❑ 24" ❑ 36" ❑ _____"	❑ 0" ❑ 12" ❑ 24" ❑ 36" ❑ _____"
7. Gutters:	Total Length: _____ ft Depth: _____ inches Width: _____ Inches ❑ No Gutters ❑ Use CCB (Cable Cover Bracket) in gutters	Total Length: _____ ft Depth: _____ inches Width: _____ Inches ❑ No Gutters ❑ Use CCB (Cable Cover Bracket) in gutters	Total Length: _____ ft Depth: _____ inches Width: _____ Inches ❑ No Gutters ❑ Use CCB (Cable Cover Bracket) in gutters	Total Length: _____ ft Depth: _____ inches Width: _____ Inches ❑ No Gutters ❑ Use CCB (Cable Cover Bracket) in gutters
8. Downspouts:	Number of Downspouts: _____ Average Downspout Length: _____ ft ❑ Single Run in Downspout ❑ Loop Run in Downspout ❑ No Preference	Number of Downspouts: _____ Average Downspout Length: _____ ft ❑ Single Run in Downspout ❑ Loop Run in Downspout ❑ No Preference	Number of Downspouts: _____ Average Downspout Length: _____ ft ❑ Single Run in Downspout ❑ Loop Run in Downspout ❑ No Preference	Number of Downspouts: _____ Average Downspout Length: _____ ft ❑ Single Run in Downspout ❑ Loop Run in Downspout ❑ No Preference
9. Valleys:	Number of Valleys: _____ Average Valley Length: _____ ft	Number of Valleys: _____ Average Valley Length: _____ ft	Number of Valleys: _____ Average Valley Length: _____ ft	Number of Valleys: _____ Average Valley Length: _____ ft
10. Roof Drains:	Number of Drains: _____ Roof Drain Diameter (Largest): _____ ❑ Use RIM-DT for drains	Number of Drains: _____ Roof Drain Diameter (Largest): _____ ❑ Use RIM-DT for drains	Number of Drains: _____ Roof Drain Diameter (Largest): _____ ❑ Use RIM-DT for drains	Number of Drains: _____ Roof Drain Diameter (Largest): _____ ❑ Use RIM-DT for drains
11. Voltage:	❑ 120 V ❑ 208 V ❑ 240 V ❑ 277 V	❑ 120 V ❑ 208 V ❑ 240 V ❑ 277 V	❑ 120 V ❑ 208 V ❑ 240 V ❑ 277 V	❑ 120 V ❑ 208 V ❑ 240 V ❑ 277 V
12. Circuit Breaker Size:	❑ 15 A ❑ 20 A ❑ 30 A	❑ 15 A ❑ 20 A ❑ 30 A	❑ 15 A ❑ 20 A ❑ 30 A	❑ 15 A ❑ 20 A ❑ 30 A
13. RIM Cover Panel:	❑ Kynar® Painted Aluminum ❑ Copper	❑ Kynar® Painted Aluminum ❑ Copper	❑ Kynar® Painted Aluminum ❑ Copper	❑ Kynar® Painted Aluminum ❑ Copper
14. Controllers:	❑ Ambient Temperature Only ❑ Ambient & RIM Panel Temperature (HECS) ❑ Gutter Moisture & Temperature Sensor	❑ Ambient Temperature Only ❑ Ambient & RIM Panel Temperature (HECS) ❑ Gutter Moisture & Temperature Sensor	❑ Ambient Temperature Only ❑ Ambient & RIM Panel Temperature (HECS) ❑ Gutter Moisture & Temperature Sensor	❑ Ambient Temperature Only ❑ Ambient & RIM Panel Temperature (HECS) ❑ Gutter Moisture & Temperature Sensor
15. Notes:				

16. Customer name:		
Company:		
Phone:		**BUSINESS CARD**
Email:		
Project name:		
Project location:		

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Our powerful portfolio of brands:

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