



### **Background Information**

When ice dams occur, water backs up behind them. As it backs up, it can work its way through cracks and under shingles. You can see it running out of soffets or through ceilings and/or walls. Additionally, it flows over the dam, forming icicles. Water can drip onto sidewalk areas and refreeze when it hits the cold surface. Ice dams do their damage when there is running water (melted snow) on the roof. **This same running water is needed to activate the deicer to form a brine and work through the ice dam.**

### **How Ice Melters Work**

When ice melters dissolve in the running water, they lower the freezing point of the water. Every ice melter acts differently. The key is to use the correct material to match the intended performance. Roof ice melters must be non-damaging to the roofing system and the vegetation below (where it runs off). It should not stain the roof and must be easy to put in place.



**GREEN EARTH**  
**— ICE DAM KIT —**  
 LIQUID | PELLETS | SLEEVES

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## **CONTROL ICE DAMS**

**EARTH - FRIENDLY  
ICE MELTERS**



**GREEN EARTH**  
**— ICE DAM KIT —**  
 LIQUID | PELLETS | SLEEVES

### **Ice Melters For Use On Roofs**

3 Part Solution for controlling ice dams

### **Ice Melters For Use On The Ground**

**Happy Paws™ Ice Melter**  
**Sub-Zero 20™ Ice Melter**

## ROOF MELTERS

### #3 Sleeves

**When to use:** Before ice dams form (early winter) or after they have already formed.

**Where and how to place:** The two-pound sleeves of ice melt can be placed above and near where the ice dam forms. They can be thrown onto the roof from the ground or placed by hand. The sleeve can lay in any direction.

**How much to use:** Place a sleeve in valleys where there is a lot of water flow (and large ice dams can build) or along the roof approximately every 20 feet.

**How fast does it work:** Will work quickly initially, then time release action will allow it to work slower and last longer.

**How safe is it:** It is extremely safe and non-corrosive. It biodegrades at temperatures above 50°F.

**Package size:** sleeve is 2" in diameter x 24" long. They are available individually or in cases of 15.

### #2 Pellets

**When to use:** Use on large roofs or large ice dams and when quicker reaction is desired.

**Where and how to place:** Pour two to three pounds in a pile behind or above the ice dam.

**How much to use\*\*:** Each pound of material will dissolve approximately two pounds (one quart) of water at -8°F or ten pounds (five quarts) of water at 23°F.

**How fast does it work:** It works faster than the Ice Dam Sleeve, but doesn't last as long.

**How safe is it:** It is safe and non-corrosive. It biodegrades in warm weather.

**Package size:** 9 lb jugs (shipped individually or 4 per case) 25lb pail, and 55lb bag

### #1 Liquid

**When to use:** Use to cut through dams fast and at cold temperatures. It will cut the ice and help create flow in gutters and downspouts.

**Where and how to place:** Pour concentrate above ice dam.

**How much to use\*\*:** A half-gallon will lower the freezing point of 3 quarts of water to 0°F, 8 quarts of water to 22°F, and 4 gallons of water to 30°F.

**How fast does it work:** Immediately goes to work

**How safe is it:** Do not use on galvanized steel. It is safe on other materials, and it biodegrades at warm temperatures.

**Package size:** 1 gal bottles (6 per case), 2.5 gal bottles (2 per case), 55 gal Drums, and 275 gal mini tote tanks

\* #3 Ice Dam Sleeves will melt thru ice/snow at cold temperatures , however it will only activate when running water flows thru it. It is most effective at or near freezing.

\*\* This shows that this deicer is most effective as the temperatures get warmer . It gives an idea of how much to use depending on the amount of ice and the temperature.

## SIDEWALK/ DRIVEWAY ICE MELTERS

### HAPPY PAWS™ ICE MELTER

**When to use:** Use on ice formed by run off from roofs. This is the longest lasting effective ice melter available.

**Where and how to place:** Spread evenly, granules that stick to wet shoes will dry when inside buildings. The dry granules can be vacuumed. Apply enough to be effective but do not allow it to pile up. Wet piles will stick to shoes and create a mess.

**How much to use:** Apply 5lbs to 15lbs per 1000 square feet.

**How fast does it work:** Goes to work immediately, will burrow through half-inch thick ice in 20-30 minutes.

**Is it safe:** Will not stain shoes, floors, or carpets. It is safe on new concrete, wood, and deck materials. It biodegrades at warm temperatures. "Happy Paws" label indicates that it is safe for pets.

**Package size:** 6lb bag (8 per case), 25lb pail, and 55lb bag

### SUB-ZERO 20™ ICE MELTER

**When to use:** Same as above, but when temperatures are cold; effective to -24°F.

**Where and how to place:** Spread evenly on ice.

**How much to use:** Approximately the same rate as salt.

**How fast does in work:** Works **very fast** and at cold temperatures. Will not last as long as Happy Paws Ice Melter.

**Is it safe:** Safe to vegetation and will not track.

**Package size:** 6lb bag (8 per case), 25lb pail, and 55lb bag