

# PRODUCT PROFILE

## Deicing With Hill Brothers Anhydrous Calcium Chloride

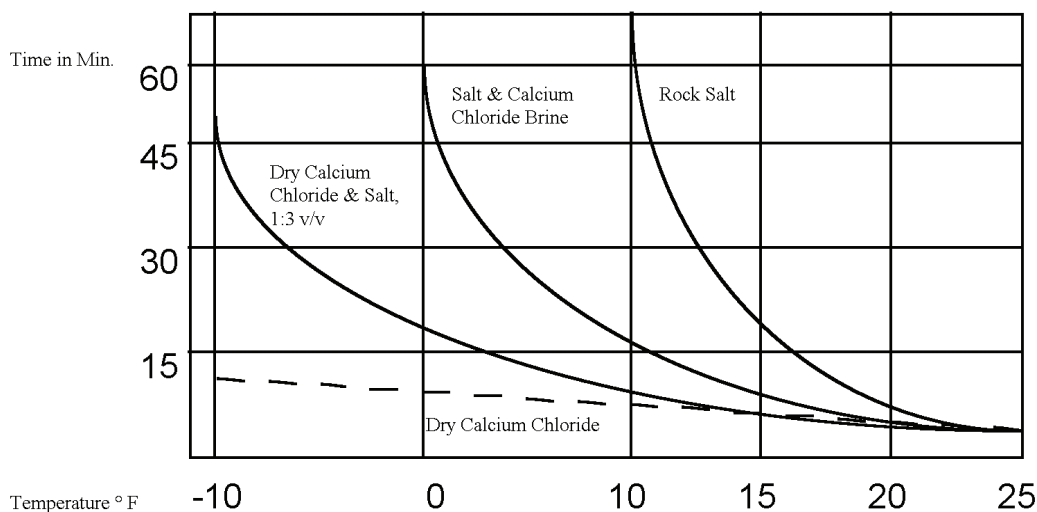


Calcium Chloride is well known for its physical properties of low freezing point in its liquid state and its affinity for water. Calcium Chloride can attract atmospheric moisture and produce heat in its reaction with water. These properties make it a very desirable material for removing snow and ice from roadways at very low temperatures.

When temperatures are reduced below the effective working temperature of plain rock salt (25°F) or salt prewet with liquid Calcium Chloride (0°F), Anhydrous Calcium Chloride becomes the logical choice. Anhydrous Calcium Chloride alone, or in mixtures with rock salt, provides the most accelerated deicing action at very low temperatures (down to -20°F).

Hill Brothers Anhydrous Calcium Chloride is particularly attractive for deicing small areas due to its ease of handling. Calcium Chloride may be spread by hand, scoop, or shovel. A fertilizer spreader may be used when treating larger areas (sidewalks, parking areas, etc.). Calcium Chloride may be applied to roadway surfaces from a spreader truck. Two to four ounces of Hill Brothers Anhydrous Calcium Chloride should be applied per square yard of surface area. Slightly higher amounts may be required for Calcium Chloride/rock salt mixtures. Hill Brothers Anhydrous Calcium Chloride can be mixed with rock salt in ratios of 1:3 to 1:5 by volume.

Time required to break ice bond by penetration of Calcium Chloride to surface of road. Rate: 500 lbs. lane mile on solid glare ice.



Source: D.R. Larrimore, et al. *Enhancing the Ice-Melting Action of Rock Salt Public Works Magazine*, August 1978.

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