

FORM 305



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Transportation and Works
Highway Design Division

SUPPLY AND APPLICATION OF CALCIUM CHLORIDE

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305.01 SCOPE

This specification covers the requirements for the supply and application of a solution of calcium chloride in water to such areas of gravel roads that the Engineer may designate.

305.02 MATERIALS

The calcium chloride shall be delivered to the site in the form of crystal flakes. Only calcium chloride flakes acceptable to the Engineer shall be used. Water for forming the solution with the calcium chloride shall be clean water free of impurities.

The Contractor shall supply the calcium chloride and the water.

305.03 APPLICATION

The Engineer will designate the limits between which the calcium chloride treatment is to be applied to the road.

The Contractor shall grade up the road to be treated to obtain a smooth grade prior to application of the calcium chloride.

The Contractor shall form a solution of calcium chloride and water of known proportions, so that the rate of application of calcium chloride is known and can be controlled by manipulation of the spreader.

The rate of application of the solution shall be such that the required weight of dissolved flakes is applied to each square metre of road surface. The rate of application shall be 0.9 kilograms of dissolved flakes per square metre, or such other rate of application of calcium chloride as the Engineer may designate.

The calcium chloride shall be applied uniformly by the approved spreader.

The Contractor shall compact the treated gravel surface to 100% of Standard Proctor Dry Density.

Any spill of calcium chloride such as arising from broken bags or otherwise must be immediately cleaned up. Any quantity of calcium chloride that is recovered from a spill and cannot be utilized in the normal manner must be disposed of at an approved waste disposal site at the Contractor's expense. Information on these sites can be obtained from the provincial Newfoundland and Labrador Government Service Centre. See Section 820 "Storage and Handling of Fuels and Other Hazardous, Toxic or Dangerous Material" and the procedure for reporting spills as per the requirement of the Newfoundland and Labrador Government Service Centre..

305.04 MEASUREMENT FOR PAYMENT

Measurement for payment shall be of the number of tonnes, rounded to two decimal places, of the calcium chloride flakes made into solution and applied within the required limits. This measurement will be made by computing the net weights of the sacks used.

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305.05 BASIS OF PAYMENT

Payment at the contract price for calcium chloride shall be compensation in full for all labour, materials and equipment-use to: supply the calcium chloride flakes at the site, supply the water, make up a calcium chloride solution, grade up the area to be treated, apply the calcium chloride solution and compact the road surface.