

## Cold weather concrete protection



### Requirements:

Due to the colder outdoor and overnight temperatures, special care must now be taken to prevent damage to concrete caused by freezing. Additionally, special care must be taken to prevent frost from getting below unprotected footings and slabs.

#### 9.3.1.9. Cold Weather Requirements

- 1) When the air temperature is below 5 °C, concrete shall be:
  - a) kept at a temperature of not less than 10 °C or more than 25 °C while being mixed and placed, and
  - b) maintained at a temperature of not less than 10 °C for 72 h after placing. 2) No frozen material or ice shall be used in concrete described in Sentence (1).

#### 9.12.1.3. Protection From Freezing

- 1) The bottom of excavations shall be kept from freezing throughout the entire construction period