

Cold Weather Concrete Webinar – Questions and Answers
10/10/2023

The questions submitted during the webinar follow with answers that our speakers have provided.

1. Not so much a question vs. a comment, I don't see the hydration continuing with Type IL like I used to with "old" Type I. Mark Moyer, mmoyer@nesl.com (Pennsylvania)
2. How does Type 1L cement compare with other types of concrete in terms of the cold weather compressive strength gain? Ryan Barrett, ryan.barrett@ks.gov (Kansas)

Limestone, present in Type IL as a fine powder, has a different response to temperature than portland cement clinker. Type IL tends to respond to changing temperatures more dramatically than Type I cements. Therefore, it is more important to pay attention to the maintenance of concrete temperature during early age curing to ensure the mixture meets the performance needs of the concrete. Type IL has been a dominant cement in Canada with more than 20 years of history of cold weather performance.