

ARM of Minnesota is committed to supporting sustainable products that maintain the high-quality requirements, performance, and durability expectations of our industry. Type IL cement is a product that exemplifies these qualities. It is for this reason that we are sending this letter.

We encourage you to ensure that your specifications allow ASTM C595 cement types, which include Type IL cement. As Type IL cement becomes the predominant cement in the Minnesota market, ASTM C595 will be the only cement type option. Please note, however, that there may be some localized areas today where ASTM C150 cements are still available. Here is an example of specification language from CSI Section 033000 Cast-in Place Concrete Section 2.5D:

Portland Cement: ASTM C150/C150M – Type I (additional types as needed for project)

Blended Hydraulic Cement: ASTM C595/C595M – Type IL, IS, IP and IT

As you may know, the American Concrete Institute (ACI) updates their specifications regularly. Recent changes in ACI specifications promise to enhance the sustainability of concrete and have led to increasing use of Type IL cement in Minnesota.

ACI 301-20 Section 4.2.1.1 now allows ASTM C595 cements*, including Type IL cements. According to exposure class and cement type given in Section 4 (ACI 301-20), Type IL cement can be used in any exposure class as an equivalent product to Type I cement. The added benefit is that Type IL cement enhances the sustainability of your project by providing a lower carbon footprint.

Also note that, since 2014, MnDOT specifications have allowed the use of Type IL cement as a blended hydraulic cement under MnDOT Standard Specifications for Construction Section #3103.

For more information on the industry-wide movement towards Type IL and other blended cements, please visit www.greencement.org or contact ARM directly.

Regards,



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** Other ASTM C595 cement designations, like (MS) and (HS) may also be used in place of Type II or Type V cements under conditions given in ACI 301-20.*