



Florida Method of Test for Length Change of Hydraulic Cement Mortars Exposed to a sulfate Solution

Designation: FM 3-C 1012

FM 3-C 1012 is identical to ASTM C1012/C1012M except for the following provisions:

1. Significance and Use
 - a. Delete first sentence of 3.2 and change to:
The standard exposure solution used in this test method, unless otherwise directed, contains 704 moles of Na_2SO_4 per m^3 [100 g/L].
2. Reagent and Materials
 - a. Delete 1st sentence of 5.4 and change to:
Sulfate Solution—Each liter of solution shall contain 100.0 g of Na_2SO_4 dissolved in 900 mL of water, and shall be diluted with additional distilled or deionized water to obtain 1.0 L of solution. Mix the solution on the day before use, cover, and store at 23.0 °C [73.5 °F].
 - b. Delete the 2nd sentence.
3. Procedure
 - c. Change sentence 6 in 9.2 to read:

Verify the prediction, and at that time observe and record comparator readings and place all the bars partially submerged with the bottom 2 in. under the surface in the sulfate solution (**Note 3**).