

- A. D90 is greater than or equal to 0.8 inches, that is, at least 90 percent of all thickness measurements are equal to or thicker than the specified thickness, minus 0.8 inches;
- B. Dmean is greater than or equal to Dspec - (Dspec divided by 20), that is, the mean layer thickness for the lot shall not be less than the specified layer thickness minus the specified layer thickness divided by twenty; and
- C. Dmax < 1.2 inches, that is, no individual layer thickness measurement shall be less than the specified thickness minus 1.2 inches.

Cross-Section: When tested with a straightedge laid at right angles to the centerline of the road, the surface shall not deviate from the bottom of the straightedge by more than 0.4 inches.

At any cross section, the finished cross slope shall not vary by more than 0.5 percent from the existing cross slope, as shown on the plans, or as directed by the Project Manager.

#### ROUTINE INSPECTION AND TESTING

Every 1,000 square yards of CFIPR, prior to opening the roadway to traffic at the end of the day's work, or determined necessary by the Project Manager, an inspection will be undertaken and routine tests made by the Project Manager to determine whether the quality of material and workmanship provided complies with the requirements set forth in "Test Strip Section" and in "Protection and Maintenance" of these special provisions.

Testing for Free Oil: The Contractor shall obtain a 300 mm x 300 mm x recycled depth sample of the foamed material. Sample shall be taken 0.9-1.0 m from the outside edge of the lane recycled. The Contractor shall take at least one sample daily. The sample shall be weighed and the weight recorded. The sample shall then have a sieve analysis performed on it in accordance with CT 202. Material passing the 6.25 mm sieve shall be weighed and then discarded. Free oil left on the retained aggregate shall be separated from the sample and weighed. The sample material of aggregate retained on the 6.25 mm sieve shall also be weighed separately. The percentage of free oil shall be a maximum of 15 percent. Free oil shall be determined by the following calculation:

Mass of foamed oil (grams) = (percentage of oil injected at location of sample/100) x (mass of 300 mm x 300 mm x depth of soil sample + admixture)

Percentage of foamed oil in free oil state (%) = (Mass of free oil/Mass of foamed oil) x 100

If percentage of free oil exceeds 15 percent, the Contractor shall suspend cold foam in place recycling operations until a correction plan has been submitted and approved by the Project Manager.