CORELOK®

ONE MACHINE FOR ALL YOUR GRAVITY MEASUREMENTS

An innovative, non-nuclear method of determining bulk specific gravity of materials.

The CoreLok® is a system for sealing asphalt samples so that sample densities may be measured by water displacement method. Samples are automatically sealed in specially designed puncture resistant polymer bags. Densities measured with the CoreLok system are highly reproducible and accurate. The results are not dependent on material type, sample shape, or technician judgment. The GravitySuite PC software package calculates and manages your data for ease of operation.

BULK SPECIFIC GRAVITY:

- The sample is sealed with specially designed polymer bags; eliminating all air from around the sample.
- The sample is then submerged into water to get an accurate volume or under water submersion weight.
- The CoreLok has proven to match the results of the traditional test methods for asphalt cores under 7% air voids.
- The Corelok is the most accurate test method for high air void samples such as open graded mixtures OGFC, SMA and rubberized asphalt.
- ASTM D6752, AASHTO T331

MAX SPECIFIC GRAVITY:

- The CoreLok can perform the Max Specific Gravity in less than 10 minutes, traditional test can take up to 30 minutes.
- The CoreLok produces the same test results as traditional test methods.
- ASTM D6857

AGGREGATE APPARENT GRAVITY AND ABSORPTION:

- The CoreLok performs this test in under 30 minutes; an ideal test for quality control at asphalt and concrete plants.
- Traditional test methods can take up to 2 days.
- The CoreLok process is simple and repeatable with only a few steps.
- Process does not depend on operator judgement that can vary results.
- ASTM D7370

EFFECTIVE AIR VOIDS, POROSITY:

- Great indicator of mix permeability
- Simple and effective test
- ASTM D7063