

AggPlus™/CoreLok® System – An accurate way to determine bulk gravity and absorption of Aggregates

An innovative product by InstronTek, Inc. for determination of bulk specific gravity, apparent specific gravity and absorption of fine and coarse aggregates in less than 15 minutes. In the new AggPlus method, the SSD condition is bypassed by starting with two samples of oven dry aggregates. One sample is vacuum sealed within the CoreLok system and apparent density is determined using the standard water displacement method. The second sample is tested inside a calibrated volumeter. The combination of the results from these two tests is used for calculation of absorption. Knowing the absorption and apparent gravity, standard formulas can be used to calculate bulk gravity (dry and SSD). The calculations are made simple by the use of the AggSpec PC software.



When over 90% of your final product is aggregates, wouldn't you want to have a more accurate and precise test that can be done in twenty minutes.

AASHTO T84 and ASTM C128 methods rely on the Saturated Surface Dry (SSD) condition of aggregates. Unfortunately, aggregate SSD condition cannot be measured without accounting for aggregate texture, angularity and fine content, which can significantly affect the determination of the SSD condition.

TIME TO GRADUATE TO THE AGGPLUS SYSTEM

Features

- ▶ Fully automatic Vacuum System
- ▶ 110 Volt standard operation (220 volt optional)
- ▶ Low maintenance
- ▶ Built to withstand rugged testing environments

Benefits

- ▶ Results are not dependent on operator judgement
- ▶ Tests can be completed in less than 20 minutes
- ▶ The method does not rely on aggregate SSD condition
- ▶ Works with fine, coarse and combined aggregates
- ▶ Simple PC Software for automatic calculation of results
- ▶ Accurate, precise and repeatable

