

AGGREGATE WET BALL MILL TESTER



The **Rainhart Wet Ball Mill** is used to determine the resistance of aggregate in the flexible base material to disintegration in the presence of water. This test method indicates the aggregate's toughness and abrasion characteristics. Aggregate abrasion characteristics are essential in determining whether the base material will resist crushing, degradation and disintegration, and premature structural failure.

The Wet Ball Mill test measures the degradation of an aggregate sample that is placed in a rotating bucket with six steel spheres for 600 revolutions at a universal speed of 58-62 rpm, an approximate testing time of 10 minutes. As the bucket rotates, the aggregate begins to degrade by abrasion and impact with other aggregate particles and the steel spheres. Once complete, the mass of the remaining aggregate is weighed, and the difference between this weight and the original weight is expressed as the WBM value.

SPECIFICATIONS

Weight	170 lbs.
Dimensions	Approx. 44"W x 24"D x 32"H
Motor	115VAC / 60 Hz, Approx. 8amps (220VAC / 50 Hz, Approx. 4amps, OPTIONAL)

A lower WBM value indicates the aggregate is tougher and more resistant to abrasion. The Wet Ball Mill testing method and results have been deemed more reliable than the Los Angeles Abrasion Test in evaluating the quality of base materials.

The Wet Ball Mill is built to withstand the rugged soil laboratory environment and high volume laboratory testing requirements. With a heavy duty motor and sealed bearings, a rugged gearbox, and precision machined parts, this device is designed to ensure low maintenance and maximum efficiency.

FEATURES & BENEFITS:

- Meets **TxDOT TEX-116E**
- Watertight bucket seal
- User-friendly programmable counter
- Precision machined and welded frame, bucket, and parts
- Durable equipment built to last
- New Feature! Bench or shelf mounted counter for added safety
- Single push button operation