

Samples are cooled to work out the moisture content and then washed over a 0.063um washing sieve. Mass of fines removed by washing. Then returned to the Aggregate Oven minimum 3 Hours and until constant mass

Samples are dried in lab aggregate oven (110 degrees +/- 5 minimum 3 Hours and until constant mass

Additional testing- Monthly testing for flakiness index is carried out on the 4/10mm and 10/20mm gravel. And results are recorded on the Grading conformity spreadsheet.

Additional testing- Weekly silt testing is carried out on the surge material being fed into the wash plant; this is to indicate a change in silt content. This aids the wash plant operative to make changes to watch pressure.

Re take fresh sample and repeat testing process

Samples again cooled before carrying out Particle Sieve analysis

Samples are bought back to the Lab and sample reduction (riffle Box) is carried out.

Raise Non conformity and inform Quarry Manager. Investigation into material failure and further testing carried out. Failed Material isolated possibly re-processed.

File grading worksheet in relevant site folder, enter results onto site grading conformity spreadsheet and add result to concrete quality program.

Fail

Pass

File grading worksheet in relevant site folder, enter results onto site grading conformity spreadsheet and add result to concrete quality program.

Pass

Fail

Each sample is inspected to particular specification relating to each material. Specifications are taken from relevant BS EN Standard.

Technician takes Weekly Samples from end of plant conveyors (fresh Production)