FLOW TEST
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FLOW TABLE

Measures the workability of the shotcrete

Equipment:
- Flow table
- Flow cone
- Tamping rod
- Measuring tape
1. After batching is completed, a sample is taken.
2. Flow table to be laid down on a flat surface and cleaned with a damp cloth.
3. Flow cone to be placed in center of flow table and held down firmly.
4. Fill cone halfway and tamp 10 times.
5. Fill the cone to the brim and tamp 10 times again.
6. Remove excess shotcrete.
7. Slowly lift the cone.
8. Lift and release the table top 15 times.
9. Measure the flow across at right angles and use the mean of the 2 measurements. (500 – 550 mm.)
STEP 1

Center Flow Cone on Flow Table and press down firmly
STEP 2

Half Fill Flow Cone
STEP 3

Tamp (10 Times) with tamping Stick
STEP 4

Fill Flow Cone to the top
STEP 5

Tamp 10 times with Tamping Stick
Screed off and remove all spillage from Flow Table
STEP 6 (Continue)

Clean Flow Table Spillage
STEP 7

Slow and even lift

Remove Flow Cone in one even lift
STEP 8

- Step down on Flow Table Frame
- Lift table to the max and drop (15 times)
Take measurements (must be between 500mm – 550mm)
Slump or Flow test results

- Passed to driver and batcher in order that they can maintain the correct workability
- Are used in the quality control process in conjunction with cube results
**REMEMBER**

- Water/cement ratio governs strength
- Therefore if the concrete is wetter than designed, the concrete strength will be lower than designed