



ROCKCRETE
EQUIPMENT (PTY) LTD
Company Reg No.: 1947/024677/07

FLOW TEST

FLOW TEST



FLOW TABLE

Measures the workability of the shotcrete

Equipment:

- Flow table
- Flow cone
- Tamping rod
- Measuring tape

**Flow
Table**



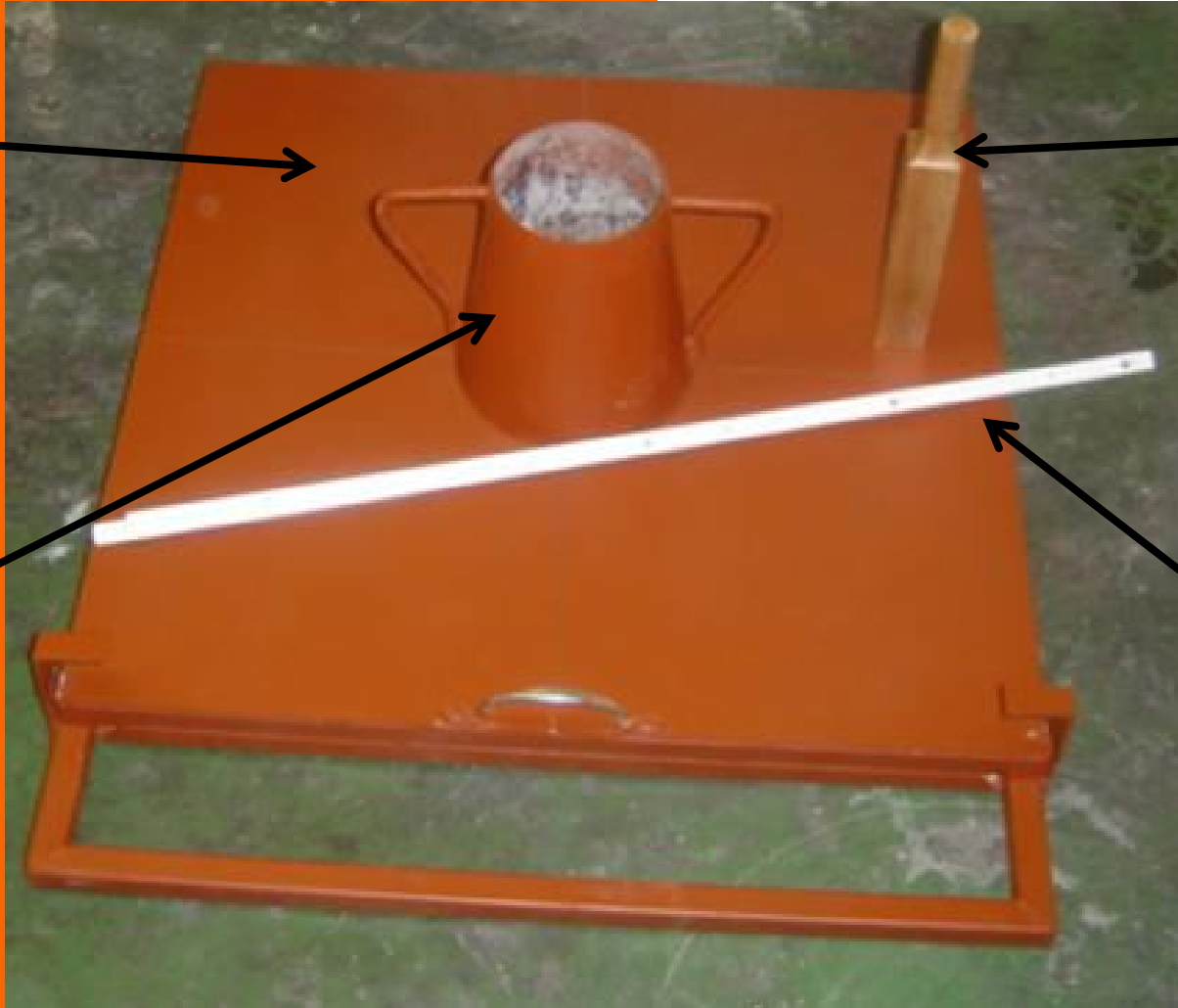
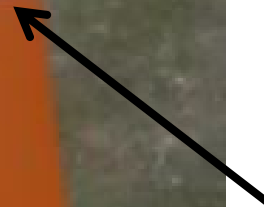
**Flow
Cone**



**Tamping
Stick**



**Measuring
Tape**



METHOD

- 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**

METHOD

- 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



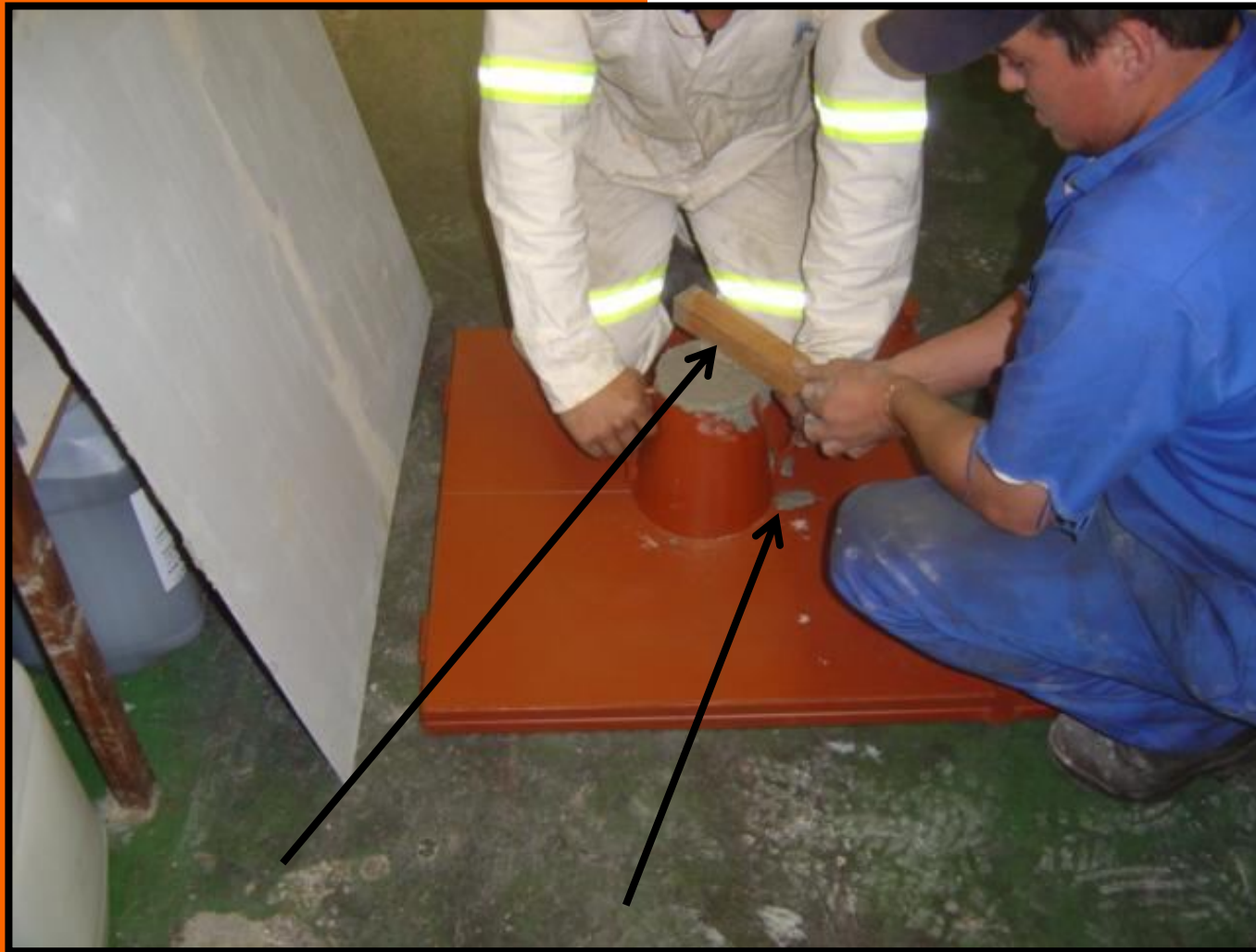
Fill Flow Cone to the top

STEP 5



Tamp 10 times with Tamping Stick

STEP 6



Screed off and **remove all spillage** from Flow Table

STEP 6 (Continue)



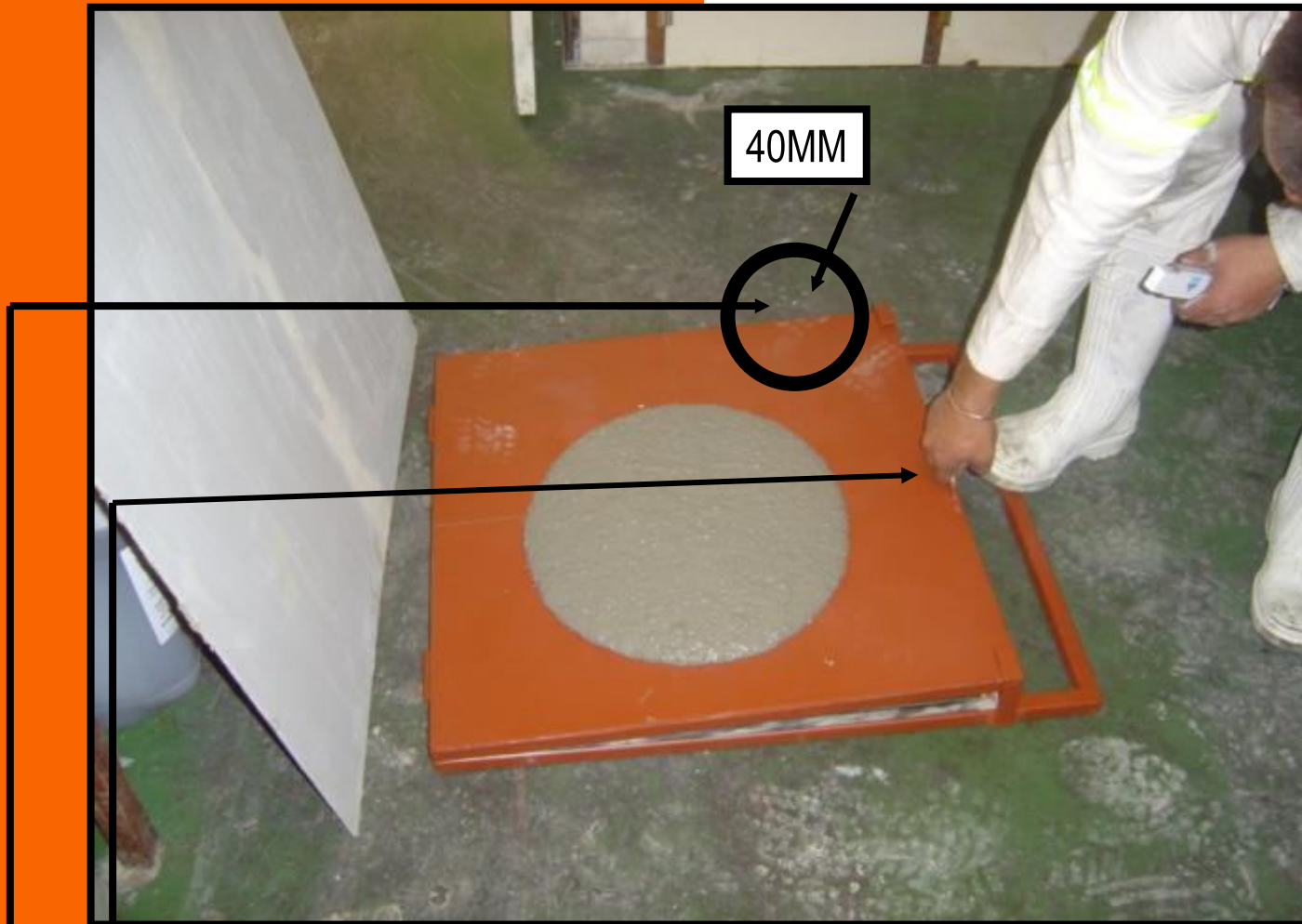
Clean Flow Table Spillage

STEP 7



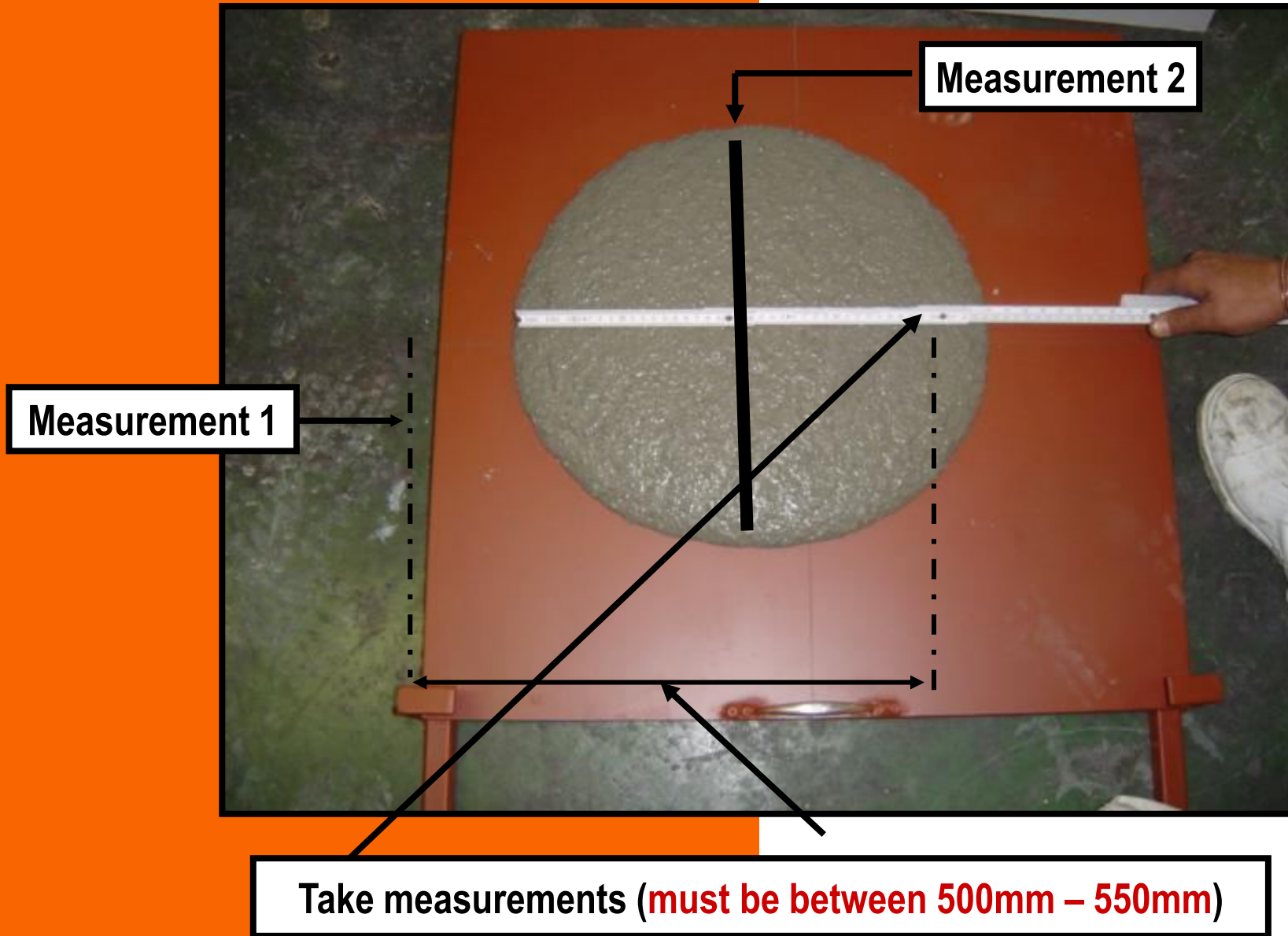
Remove Flow Cone in one even lift

STEP 8



- Step down on Flow Table Frame
- Lift table to the max and drop (15 times)

STEP 9



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**