

Floor Flatness & Levelness Survey, Accurate Floor Profile Measurement by FACE Floor Dipstick, F-numbers, Floor Surface Classifications

Flatness FF is measurement of waviness or bumpiness of floor, it relates to the rate of change the floor elevation over 300 mm interval. FF is mostly affected by the finishing operation.

Levelness FL is measurement of floor tilt, it relates to general floor slope of 2 points which are 3000 mm apart, which defines the relative conformity of the floor surface to the horizontal plane. FL is mostly affected by the forming and strike-off.

ASTM E-1155 Standard details the test method for determining F-numbers, which consist of Flatness FF & Levelness FL.

FACE Floor Dipstick is an inclinometer that uses highly accurate accelerometers to measure changes in elevation of floor & give rapid interpretation and graphical output of F-numbers calculation. It can carry out high precision measurement, up to **0.025mm** in accuracy.

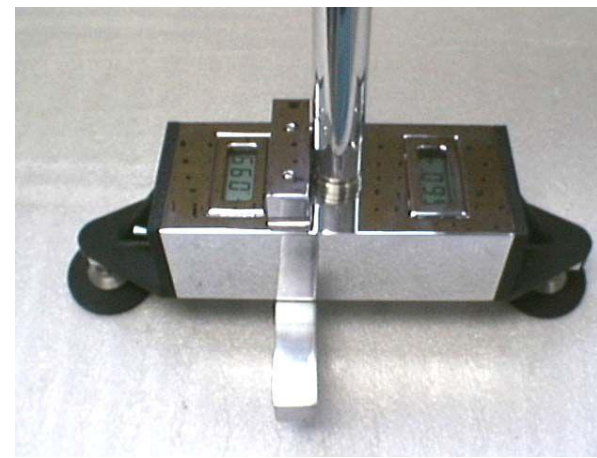
For building owner, consultant, and concrete floor contractor who wish to know the flatness and levelness of their floor, we have Dipstick & operator to measure floor profile accurately in Jakarta & other parts of Indonesia.

We can instantly provide the FF & FL values and floor profiles that show all the “humps & bumps” in the floor – right on the job site. These F-numbers will inform whether the floor finishing meets the specs, and where the problems are in case the floor doesn't meet the specs. In addition, we also will produce the Project Summary Report for the entire test surface, according to ASTM E-1155.

High Precision Floor Profiler, Auto-read Floor Profiler, Floor Surface Measurement

The Face Floor Dipstick is a compact equipment, weighing less than 12 kg and can be carried around in luggage bag. It measures, analyses & reports combined F-numbers of floor slab instantly and accurately.

- 1) Dipstick instantly provides, right on the job site, the FF and FL numbers and floor profile that shows all the “humps” and “bumps” in the floor;
- 2) The FF and FL numbers will tell you whether the floor meets the specifications; while the floor profile will tell you where the problems are, in case the floor doesn't meet the specifications;
- 3) You can produce graphs showing many different floor profiles so as to identify a flow that is common to more than one part of the floor;
- 4) You can produce nicely formatted reports showing the combined section FF and FL numbers in a whole test section, and also project summary report for the entire test surface, in accordance to ASTM E-1155.



Advantages

The Dipstick Auto-Read Floor Profiler is a totally integrated data collection instrument that provides a fast and accurate method of measuring floors for flatness and levelness using the American Concrete Institute (ACI), Canadian Standards Association (CSA), American Society for Testing and Materials (ASTM) and British TR-34 standards.

- Instantly* calculates F-numbers on-site
- Instantly* produces graphs on-site
- "Drag & Drop" downloading to desktop or laptop computer
- Automatic electronic zeroing
- Print reports to any network or direct printer
- Is delivered as a complete kit in a custom Zero Haliburton case – everything you need.
- Measurement can be either in imperial or SI units

Fast, Easy & Compact

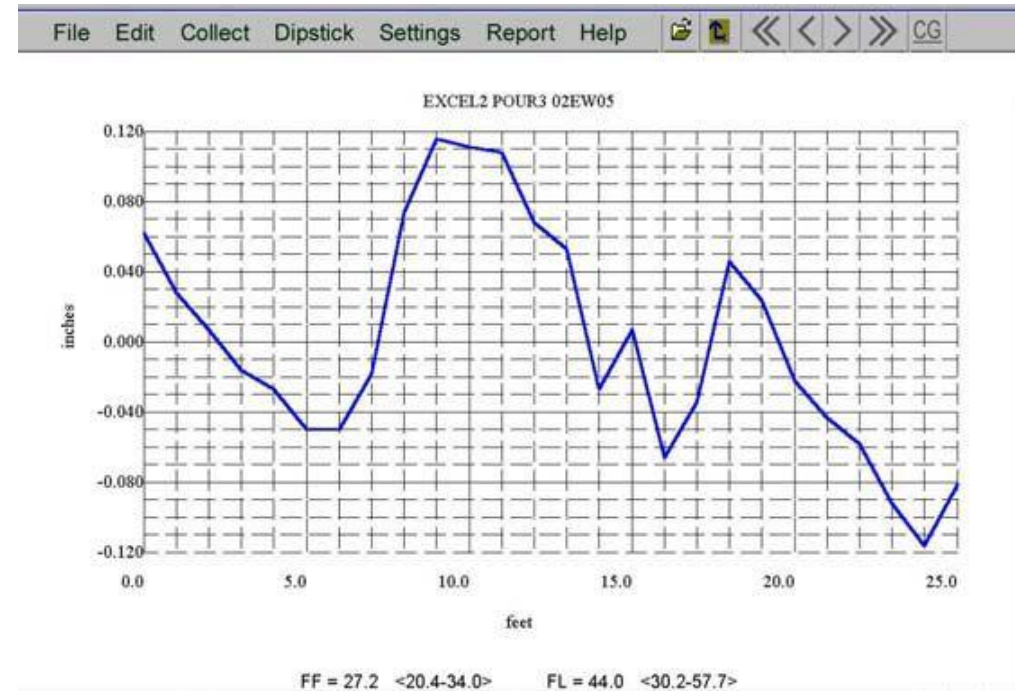
- Lay out slabs per ASTM requirements in seconds;
- Measure, analyze and report combined F-Numbers on 1,000 m² of slab in less than 1 hour;
- Instant on-slab F-Number analysis;
- Complete kit is sized as carry-on luggage;
- Is extremely fast, efficient and accurate — *this is the fastest Dipstick® ever.*

Accurate

- FF, FL and elevation data proven over millions of measurements;
- Class I instrument approved by USA state, federal and foreign governments;*
- This instrument is used to calibrate other profiling instruments;
- The most accurate floor measuring instrument made, up to 0.025mm;
- Comes with QT Test data and instructions on how to self-test, so you never need to send it to us for calibration.

Versatile Floor Instrument

- Only Dipstick can be stepped over cords, rebar and debris;
- Only Dipstick can be used to set forms;
- Only Dipstick can be used to check beams and girders.



Project Summary

Job Name: Landscape
Surface: SOG

Measured FF: 38.19 Specified FF: 25.00 Min Local FF: 19.00
Measured FL: 18.92 Specified FL: 20.00 Min Local FL: 18.00
 20 percent exceeds specified FF of 25.
 3 percent is below specified FL of 20.

Total area of surface: 22300
 Area measured: 22300

Section Name	FF	FL	Size
SE	38.88	18.85	8800
NORTH	39.79	19.88	8100
WEST	34.68	17.60	5400