

Acoustic Sounding Testing Tile, Stone & Concrete

Professional Consultants PROCON provides specialized technical consulting for concrete, coatings, ceramic tile, stone design and construction.

PROCON maintains sophisticated equipment and has specialized knowledge for measuring and interpreting acoustic soundings of construction assemblies using modern, efficient rotary percussive equipment and GPR equipment

Applicable industry standards
ASTM D 4580-03

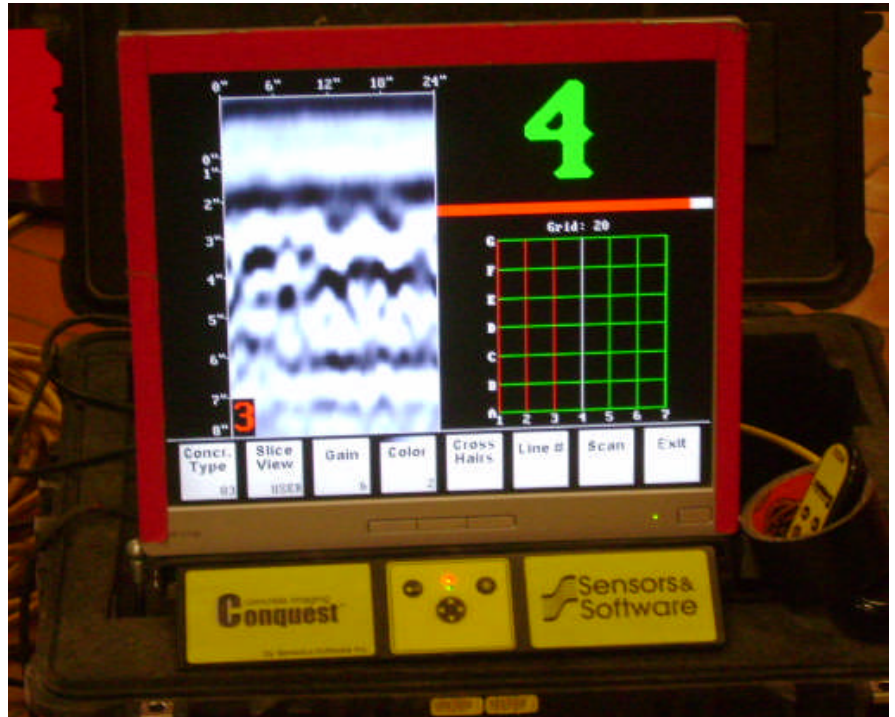


PROCON utilizes efficient rotary percussive acoustic sounding equipment

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PROCON utilizes ground penetrating radar (GPR) as a non-destructive method to identify voids and anomalies beneath stone and tile floor finishes or within concrete slab assemblies

Failures of cementitious overlays, ceramic / stone tile floor and wall assemblies are often the result of inadequate adhesion or coverage of adhesive mortars. PROCON utilizes non-destructive rotary percussive acoustic equipment and trained technicians to measure and document suspect hollow acoustic soundings of construction assemblies in accordance with ASTM D4580-03 test protocol.

Acoustic sounding is a widely accepted and standard method for non-destructive testing of concrete, cementitious overlays, as well as adhered tile and stone assemblies. PROCON has pioneered the use of more efficient and accurate rotary percussive equipment, and is in the process developing a more sophisticated method utilizing ground penetrating radar equipment that can locate and graphically depict voids and anomalies beneath stone and tile finishes, or within concrete slab assemblies.