

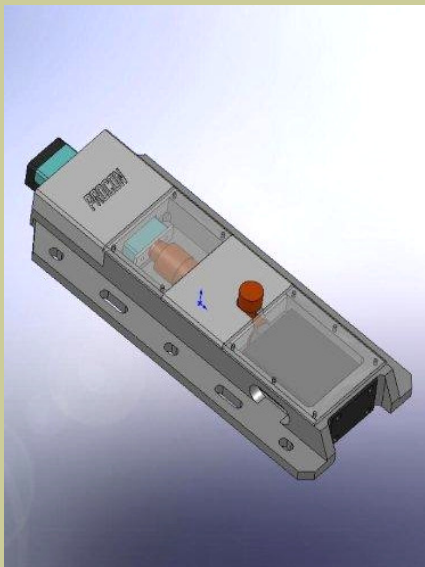
## In-situ Shear Bond Strength Testing

*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 the in-situ shear bond strength of materials adhered within construction assemblies*

### **Applicable industry standards**

ASTM C 482  
ANSI A118 series



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### **PROCON utilizes precision digital hydraulic load testing equipment**

Adhered cementitious overlays and ceramic / stone tile floor and wall finish assemblies can be subject to tremendous in-plane shear stress induced by thermal expansion contraction, shrinkage (concrete creep), and structural movement (deflection, seismic, wind loading). PROCON utilizes sophisticated equipment, designed and developed by PROCON, to measure in-situ shear bond strength of adhered construction materials and assemblies.

This type of testing provides quantitative information on material shear bond strength that is critical not only to confirm in-situ performance with product manufacturer published specifications, but also to provide data that can be used for design of adhered materials using established mechanical engineering principles.

Shear bond strength testing is a widely accepted and standard laboratory method (ASTM C482), and PROCON has pioneered application of this established laboratory protocol as an in-situ field test method in order to provide quality assurance and forensic diagnosis for building construction contractors, development companies, architects, and product manufacturers.