



Slip Resistance Testing for Polished Concrete

Standard:

According to the ADA, OSHA and ASTM guidelines, ground and floor surfaces shall be considered slip resistant if the measured static coefficient of friction is a minimum 0.5 when tested in accordance with either **ASTM C-1028** (field or laboratory test) or **ASTM D-2047** (laboratory test) methods.

Results:

Dry floor:

- High gloss polished floor finished with the 3000-grit resin diamond
- .70 average of multiple readings
- Exceeds OSHA standards by 40%

Wet Floor:

- High gloss polished floor finished with the 3000-grit resin diamond
- .61 average of multiple readings
- Exceeds OSHA standards by 22%

All tested levels of concrete polishing exceed OSHA and ADA recommendations.

Notes:

Tested with a Sellmier FSC2000 Slip Test machine with a leather attachment. The Sellmier machine tests both static and dynamic coefficient of friction. It provides a digital printout and audit trail for verification of the results. All floors were cleaned with an auto-scrubber before testing. Testing completed at HTC's facility in Knoxville, TN.