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## Slip potential of Altro™ resin floor systems

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Pre-planning at design stage to evaluate the environment and the use of the floor is critical.

Application conditions and expertise, as well as cleaning regimes and contamination can affect the final slip resistance of the floor. The floor finish should be consistent with the anticipated service conditions, the surface profile being consistent with the potential nature and concentration of contamination. The profile of the floor finish should be sufficient to penetrate any squeeze-films formed, such as food in a kitchen. This is particularly the case for matt coatings demonstrating low potential for slip. Greater levels of roughness may be necessary in some situations to ensure sufficient slip resistance, through the intended lifetime of the floor.

The UK Slip Resistance Group provides guidance on the significance of slip values in terms of the following potential for slip in wet conditions for rubber soled shoes.

**Note** barefoot potential for slip will be significantly different to these quoted results for rubber shoe soles

Potential for slip	TRRL Pendulum Test Value, slider 96 (4S) rubber
High	0 to 24
Moderate	25 –35
Low	36 +

**Lab test results Note\*** These results were obtained under optimal conditions in a laboratory

For further guidance please refer to “MINIMISING SLIPS IN THE WORKPLACE WITH THE USE OF INDUSTRIAL RESIN FLOORS” at [www.ferfa.org.uk](http://www.ferfa.org.uk)

Product	Potential for slip (wet conditions)
AltroSeal™ UVR(Silk)	Low
AltroSeal UVR Plus	Low
AltroSeal UVR WB (Matt)	Low
AltroCoat™ (Silk)	Moderate
AltroCoat Plus	Low
AltroTect™ (Gloss)	Moderate
AltroTect Plus	Low
AltroShield™ SF (Gloss)	Moderate
Altro Mosaic™	Moderate
AltroFlow™ EP	High
AltroFlow PUM Excel	Low
AltroCrete™ PU Excel HF/HD Fast Track	Low
Altro TB Screed™	Moderate
Altro Multiscreed™ EP Naturals	Low
AltroScreed Quartz™ (AltroShield Seal Clear)	Moderate
AltroGrip™ Plus 2	Low
AltroGrip Plus Quartz	Low
Altro TB + Cast™	Low
Altro SoloSafe™	Low
AltroTerrazzolite™ EP	Low/Moderate*

\* Dependent on surface finish

**NOTE\*** These figures are a general guide, measured in optimal laboratory conditions to test method BS 8204: Part3: 1993 using a TRRL (Transport Road Research Laboratory) Pendulum slip tester and 4 S rubber. (Standard Simulated Shoe Sole).