

At this time the ADA and OSHA have no published minimum requirement for slip resistance and as a result there is currently no established industry specification for slip resistance. As of 2006, the American National Standards Institute (ANSI) committee on prevention of slips, trips and falls has developed the ANSI B101.1-2009 Test Method for Measuring Wet SCOF (Static Coefficient of Friction) of Common Hard-Surface Floor Materials standard which identifies three individual risk categories or “Traction Ranges” for flooring materials.

It is typically agreed upon within the flooring industry that both wet and dry SCOF be above 0.60 for flat surfaces and 0.80 for ramps. The vast majority of slip and falls occur on wet surfaces and therefore the ANSI B101.1-2009 standard focuses solely on wet SCOF. The table below was taken directly from the ANSI B101.1-2009 standard and represents the published traction ranges including corresponding wet SCOF values, risk probability of slipping and remediation:

**ANSI B101.1 Wet SCOF Values and Traction Ranges**

| Wet SCOF Value ( $\mu$ ) | Available Traction   | Remediation   |
|--------------------------|--|---|
| $m\mu \geq 0.60$         | High Traction<br>(Lower probability of slipping)               | Monitor SCOF regularly and maintain cleanliness.  |
| $0.40 m\mu \leq 0.60$    | Moderate Traction<br>(Increased probability of slipping)       | Monitor SCOF regularly and maintain cleanliness. Consider traction-enhancing products and technologies. |
| $m\mu < 0.40$            | Minimal Available Traction<br>(Higher probability of slipping) | Seek professional intervention. Consider replacing flooring and/or coating with high traction products. |

**SCOF Test Results**

Static Coefficient of Friction (SCOF) was determined using the ANSI B101.1-2009 test method and an American Slip Meter 825A Tribometer with a Neolite surface in contact with the test sample surface. The results reported are the average of four measurements each. Measurements were taken at standard lab conditions on both wet and dry flat surfaces.

| Pecora Deck System | System # and Application     | Aggregate <sup>1</sup> |                       | SCOF Value ( $\mu$ ) |      | Available Traction | Notes                               |
|--------------------|------------------------------|------------------------|-----------------------|----------------------|------|--------------------|-------------------------------------|
|                    |                              | Size                   | Coverage <sup>2</sup> | DRY                  | WET  |                    |                                     |
| Pecora Deck 800    | 8013 Pedestrian              | 16-30                  | 10-15                 | 1.19                 | 1.26 | High               |                                     |
|                    | 8013HD Heavy Duty Pedestrian |                        | 40-45                 | 0.95                 | 1.18 | High               | Sand to refusal                     |
|                    | 8013PW Plywood               | 12-20                  | 10-15                 | 1.21                 | 1.24 | High               |                                     |
|                    | 8113 Mechanical Room         |                        | 40-45                 | 0.98                 | 1.13 | High               | Sand to refusal                     |
| Pecora Deck HB1000 | 8123 Vehicular               | 16-30                  | 10-15                 | 1.08                 | 1.06 | High               |                                     |
|                    | 8123HD Heavy Duty Vehicular  |                        | 40-45                 | 1.15                 | 1.28 | High               | Sand to refusal                     |
|                    | 8123HD-10 Heavy Duty         | 12-20                  | 10-15                 | 1.20                 | 1.21 | High               |                                     |
|                    | HB1000 Pedestrian            |                        | 40-45                 | 1.19                 | 1.31 | High               | Sand to refusal                     |
|                    | HB1000 Plywood               | Proprietary            | Premeasured           | 1.21                 | 0.60 | High               | Optional integral aggregate topcoat |

<sup>1</sup> Aggregate size and coverage may vary.

<sup>2</sup> Coverage represented in pounds per 100 square feet.

**Conclusion**

When tested per ANSI B101.1-2009 test methods, all tested Pecora-Deck Coating Systems are classified as “High Traction” flooring surfaces. Be aware that Pecora cannot warrant slip resistance performance due to several variables beyond the control of the product applicator or manufacturer, including but not limited to, aggregate type and size, aggregate application techniques, tire and/or shoe composition and condition, on-site maintenance, and environmental influences. Agreement should be reached between all parties involved regarding the desired finished surface profile appearance via an installation mockup under representative site conditions.