

Technical Bulletin # 82

PECORA DECK COATING SYSTEMS Compliance with ADA Slip-Resistance Guidelines

There is currently no established specification and test method for skid resistance under the American with Disabilities Act (ADA), but the current ADA general recommendation is that static coefficient of friction be above 0.6 for flat surfaces and 0.8 for ramps. Pecora Deck Coating Systems will meet this requirement when installed according to our literature.

The American with Disabilities Act Architectural Guidelines, Appendix Section A.4.5, Ground and Floor Surfaces, reads:

"The Occupational Safety and Health Administration recommends that walking surfaces have a static coefficient of friction of 0.5. A research project sponsored by the Architectural and Transportation Barriers Compliance Board (Access Board) conducted tests with persons with disabilities and concluded that a higher coefficient of friction was needed by such persons. A static coefficient of friction of 0.6 is recommended for accessible routes and 0.8 for ramps.

Test Results

Static Coefficient of Friction was determined using ASTM D4518 with a neoprene surface in contact with the sample under test. The results reported are the average of 3 measurements each. Measurements were taken at 25°C under both wet and dry conditions.

<u>System</u>	<u>Static Coefficient of Friction</u>	
	<u>Dry</u>	<u>Wet</u>
Pecora 800-P	0.85	0.84
Pecora 800-P, without sand	1.59	0.70
Pecora 800-P HD	1.28	1.05
Pecora 800-V	1.18	1.17
Pecora 800-V HD	1.10	1.16

*Unless otherwise noted, all of the above systems are assumed sanded in accordance with Pecora-Deck 800 Series application guidelines.

Comments

Under the conditions of this series of tests, all standard Pecora Deck Coating Systems comply with the ADA guidelines for slip resistance. Actual installed slip resistance is affected by a number of installation-related factors, including aggregate size, type, amount, and installation technique. Agreement should be reached between the specifier and applicator regarding the desired finished surface profile appearance.

For this test, the Pecora Deck Systems were tested without aggregate (unless otherwise indicated), since this is sometimes done in stadiums and mechanical rooms to make cleaning easier. In this configuration, slip resistance decreases dramatically when wet and does not meet the guidelines for ramps. Consideration should be given to the use of aggregate on ramps and other sloped walkway surfaces to ensure that universal safe access is maintained.

