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Slip Resistance

LP WeatherBest® decking products have been tested using three slip resistance test methods (i.e., ASTM F1679-02, ASTM F1677-96, and Pennsylvania Transportation Institute (PTI) test protocol [1988]). Each test method is designed to quantify the "static coefficient of friction" (or slip index) for the deck board surface being evaluated. All decking samples used for testing were "new" product from inventory. Please note the following test results:

WeatherBest® Premium Grain:

Surface Condition	Standard	Avg. Value	Lowest Value
Dry (Parallel to grain)	ASTM F1679-02 (VIT)	0.55	0.52
Wet (Parallel to grain)	ASTM F1679-02 (VIT)	0.53	0.46
Dry (Parallel to grain)	ASTM F1677-96 (Mark II)	0.65	0.64
Wet (Parallel to grain)	ASTM F1677-96 (Mark II)	0.53	0.51
Dry (Parallel to grain)	PTI Report Test Method (1988)	0.79	0.77

WeatherBest® Deep Grain:

Surface Condition	Standard	Avg. Value	Lowest Value
Dry (Parallel to grain)	ASTM F1679-02 (VIT)	0.55	0.50
Wet (Parallel to grain)	ASTM F1679-02 (VIT)	0.51	0.43
Dry (Parallel to grain)	ASTM F1677-96 (Mark II)	0.62	0.61
Wet (Parallel to grain)	ASTM F1677-96 (Mark II)	0.48	0.44
Dry (Parallel to grain)	PTI Report Test Method (1988)	0.75	0.74

Status of ASTM F1679 and F1677:

As of September 2006, the governing ASTM committee has discontinued and "withdrawn without replacement" both ASTM F1679 and ASTM F1677. The committee decision was based on concerns about precision of the test methods and reference to a proprietary apparatus.

ADA Guidelines:

The ADA's current slip-resistance guidelines are based on the slip-resistant surface research report published in November 1988 for the Pennsylvania Transportation Institute. The values listed above for LP WeatherBest® products were measured in 2005 using the same equipment referenced in the 1988 PTI research report. The PTI test method differs from both ASTM F1679 and ASTM F1677.

Deck board surface characteristics will change:

The test values obtained above measure the slip resistance of new LP WeatherBest® decking products. Slip resistance characteristics are bound to change over the life of any decking product. The degree of change cannot be quantified since it will vary with foot-traffic, owner behavior, climate, and other factors which are unique to each installation.

Please call our technical services group with questions at 800-450-6106.

Louisiana Pacific Corporation
WeatherBest® Decking and Railing Products