

SLIP RESISTANCE TESTING

In accordance with SA HB198:2014 (AS/NZS 4586) Pendulum Test¹

BACKGROUND:

The purpose of this test is to confirm that Hawk's coating systems, combined with StandFast™ Traction Additive, provide a Pendulum Test Value of 36 or greater, as measured using the High Pendulum Test.

METHODOLOGY:

The GlasTech® 9000 Series (Standard and Lo), the IsoFree® Series (Standard and Lo), and AresGard™ Lo Topcoat Systems were each combined with StandFast Traction Additive at a ratio of 2 parts mixed coating to 1 part StandFast Traction Additive, then applied to separate ceramic tiles, and allowed to fully cure.

The fully cured coated tiles were tested, both wet and dry, in ambient conditions of 83°F and a relative humidity of 52%.

Using the Pedulum DCOF Slip Tester, the trailing edge of a three-inch-wide spring-loaded Four S (96) hard rubber slider, is attached to the end of a 20-inch pendulum. It makes contact with the tested surface (both wet and dry) when the pendulum is released from a horizontal position. The slider contact path length is pre-set to 124-126 mm (approximately 5 inches). The pendulum pushes a pointer that stops and stays at the high point of the pendulum's swing.



RESULTS:

Under testing conditions, when the GlasTech 9000 Series (Standard and Lo), IsoFree Series (Standard and Lo), and AresGard Lo coatings are combined with StandFast Traction Additive at a 2:1 mix ratio, the mixed coating systems with StandFast Traction Additive provide a minimum pendulum test value exceeding 36. The Ceramic Tile Institute of America and the United Kingdom Slip Resistance Group both make a general recommendation and say the minimum pendulum test value of 36 for level floors is considered "low slip potential". All Hawk coating systems tested exceed the recommended test value as detailed below.



Coating System	Dry	Wet
GlasTech 9000 Series (Standard and Lo)	58	53
IsoFree Series (Standard and Lo)	58	51
AresGard Lo	52	37

¹ The Pendulum is the national standard test device for pedestrian slip resistance. It is recognized in at least 50 nations on five continents, and has been endorsed by Ceramic Tile Institute of America and the United Kingdom Slip Resistance Group. Testing and certification of Hawk's coatings systems performed by independent laboratory, Sotter Engineering Corporation.

