

Slip-Resistance Assessment of Glass Fusion™ Coating on Concrete Surfacing

Project & Results Overview

High Safety Consulting Services, Ltd. was retained to provide slip-resistance testing services to evaluate a coating traded as Glass Fusion™. The product is applied to various types of walking surfaces. This analysis was to consider the effect the product has on walking surface safety when used on a broom-finished concrete surface.

This producer provided two 16" square test panels. One panel was marked as "untreated" and the other panel was marked as "treated". The panels were made using backer board and were marked with a date of July 11, 2006.

Tests were performed in accordance with ASTM F-1679 and the manufacturers' operating guidelines for the English XL Variable Incidence Tribometer (VIT). All testing was performed by a Certified XL Tribometrist. All materials were tested with dry and wet readings in four cardinal directions.

In summary, the untreated and treated product performed well as walking surfaces for both wet and dry states. There was no appreciable difference between the treated and untreated panels in wet or dry testing.

Summary of Test Results of Surfaces Tested ASTM F-1679

Product	Average Dry (COF)	Average Wet (Slip-Resistance Index)
Untreated Panel	>0.91	>0.91
Treated Panel (Glass Fusion™)	>0.99	>0.99