

Slip Test Report

Prepared for: Senso
The White Building
555 Harrow Road
London W10 4RH

Prepared by: Jenny Bailey
SlipAlert LLP

Date: 6th November 2012



www.slipalert.com
VAT Registration: 829 3541 13
Partnership Number OC306229
Floor safety made easy

1 INTRODUCTION

We were commissioned by Alex Dennis of Senso to carry out slip resistance tests on various areas of flooring in the Moooi / Tom Dixon showrooms. Tests were conducted on 1-10-12.

Also tested, on 28-09-12, were samples of flooring measuring 610 x 1230 mm that were delivered to SlipAlert LLP, labelled as SafeScape TR10 and SafeScape TR11.

Senso flooring systems are built up as follows:

1. Primer
2. Base coat leveling layer
3. Thickness coloured layer
4. Seal coat 1
5. Seal coat 2.

Senso claim that the slip resistance of the floor system is influenced primarily by the choice of seal coat but also by the elasticity of the various thickness layers used. These are selected according to the environment and range from soft (Shore A80), through mid-hard (Shore D50) to hard (Shore D65).

Senso state that their floor systems can be supplied with an increased slip resistance, using the Toughwear R10 or R11 seal coat and claim that this slip resistance can be specified by selection, in the same way as colour. The company use the R rating method of EN51130 to identify their finishes.

Selection of increased grip or surface friction must be considered in parallel with any cleaning regime, as it is this cleaning regime, or lack of, which will dictate the true slip risk in practice.

2 SLIP TESTING

2.1 Test Method

Tests were carried out using the SlipAlert test in accordance with BS8204 (in situ flooring) and the manufacturer's recommendations. All tests were made using a durable hard rubber slider as specified in BS8204. Multiple tests were carried out, the highest and lowest values discarded and the mean value is presented.

2.2 Test Results from site visit

1 – Toughwear (in the office) A system for generally dry environments

	STV	PTV (equivalent)	
The office – see plan			
As found (dry)	120	50	Low risk
Wet	172	20	Medium risk
Clean and dry	115	58	Low risk
After 3 years use in the Tom Dixon Showroom			
As found (dry)	114	60	Low risk
Wet	160	24	Medium risk
Clean and dry	110	69	Low risk

2 – Freeze (in hallway) Image embedded system – smooth TT25 finish

	STV	PTV (equivalent)	
The hall – see plan			
As found (dry)	116	57	Low risk
Wet	172	20	Medium risk
Clean and dry	114	60	Low risk

3 – Residential HD For use in domestic environments.

	STV	PTV (equivalent)	
Room 1B – see plan			
As found (dry)	117	55	Low risk
Wet	175	19	High risk
Clean and dry	114	60	Low risk
Canteen – see plan			
As found (dry)	118	53	Low risk
Wet	173	20	Medium risk
Clean and dry	114	60	Low risk

**4 – Hospitality CR (Includes Toughwear R10 sealer)
For Clubs and Restaurants**

	STV	PTV (equivalent)	
Room 1B orange floor – see plan			
As found (dry)	117	55	Low risk
Wet	146	30	Med risk
Clean and dry	117	55	Low risk
After 3 years use in Dock Kitchen Restaurant			
As found (dry)	112	64	Low risk
Wet	147	30	Med risk
Clean and dry	108	74	Low risk

**5 – Residential Ultrawhite
For domestic environments**

	STV	PTV (equivalent)	
Entrance to canteen – see plan			
As found (dry)	116	57	Low risk
Wet	175	19	High risk
Clean and dry	114	60	Low risk

2.3 Test results from samples

	STV	PTV (equivalent)	
Safescape Toughwear R10 For Wellness and Health environments.			
Dry	117	55	Low risk
Wet	150	28	Med risk

	STV	PTV (equivalent)	
Safescape Toughwear R11 For Wellness and Health environments.			
Dry	113	58	Low risk
Wet	121	48	Low risk

STV = SlipAlert Test Value
PTV = Pendulum Test Value

3 DISCUSSION

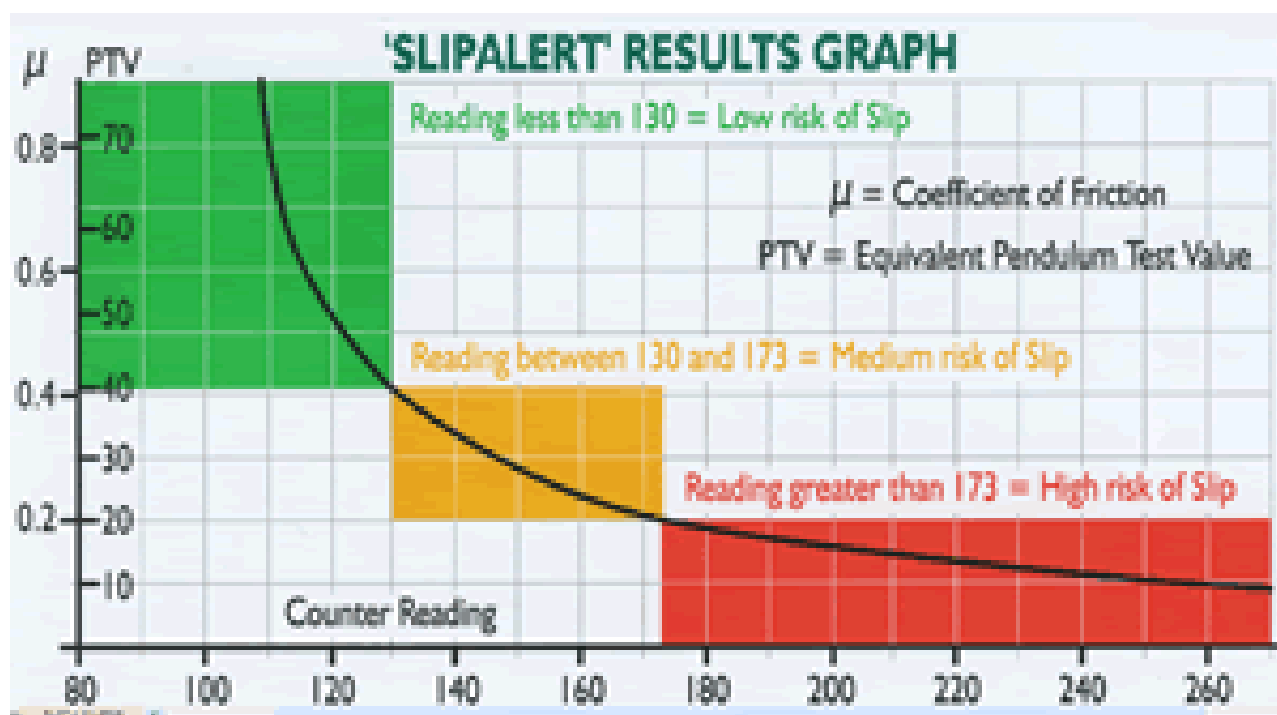
The slip resistance of the Senso floor is influenced primarily by the choice of seal coat and results vary accordingly. The testing of older floors with 3 years of use in the Tom Dixon showroom, shop and restaurant demonstrate that the slip resistance holds or increases marginally with heavy use.

All surfaces were relatively smooth and easily cleaned during the testing. The TR10 and TR11 surface profiles employ rounded polymer beads rather than sharp aggregates for grip. The increase (relatively small) in slip resistance after cleaning is noteworthy.

In a dry environment all systems achieve a low slip risk rating. In a wet environment the risk increases and should be managed accordingly with e.g. appropriate signage during cleaning, or selection of the TR10 or TR11 seal coats which offer increased slip resistance.

4 SLIPALERT GRAPH

The graph shows the relationship between SlipAlert Test Values and Pendulum Test Values.



5 FLOOR PLAN

