

ECLIPSE

HIGH PERFORMANCE CARPET

TESTING METRICS: DURABILITY, CLEANABILITY, AND COLORFASTNESS



WHAT IS ECLIPSE?

Eclipse High Performance Carpet is a newly engineered, high performance fiber system proven to be extremely durable and cleanable—giving you more wear for your investment.

Eclipse carpet is resistant to bleach and harsh cleaning agents and is treated with R2X for added stain and soil protection.

To fully analyze Eclipse's performance, Shaw Floors used multiple testing methods: **CRI Performance, Contract Walk, Colorfastness to Bleach, and Stain, Soiling, and Cleanability.**

CRI PERFORMANCE TEST

METHODS:

In compliance with the Carpet and Rug Institute (CRI) standard test methods, Eclipse carpet was tested for changes in texture appearance using a hexapod tumble drum tester. Two samples of each Eclipse style were tested—one at 4,000 cycles and one at 12,000 cycles in the hexapod tumbler.

Each sample was evaluated for change in surface appearance, crushing, matting, and loss of tuft definition, then graded using the CRI scale ranging from 5 (no change) to 1 (severe change). Three independent graders are used and their scores are averaged for each carpet style.

RESULTS: Eclipse carpet averaged a rating of 3.5 in the 4,000 cycle test.

For complete information on CRI test methods, visit carpet-rug.org and search for *CRI Test Method 103 Technical Bulletin*.

CONTRACT WALK PERFORMANCE TEST

METHODS:

Eclipse carpet (25 ounce) was also tested using a contract walk—real people walking on the flooring to simulate between two and five years of wear.

STEPS, a new state-of-the-art, patent-pending technology, counted the exact number of footsteps each sample of Eclipse carpet received—greatly improving testing accuracy.

The original foot traffic method count from a 20,000 lap light counter could range from 3,500 to 11,625 steps. The new Shaw STEPS process has a more accurate range of +/- 500 to the target number of steps.

After the walk, each sample was examined using the same CRI grading method as the hexapod test. Again, three independent graders were used and their scores were averaged.

RESULTS: Eclipse carpet averaged a rating of 3.5.

The scores from the contract walk and hexapod tests were averaged for the final CRI rating.

FINAL PUBLISHED CRI PERFORMANCE RATING:

Commanding Tweed PS806 - 3.5

Commanding Solid PS807 - 3.5

Commanding Tonal PS808 - 3.5

**Traditional PET received a 2.50 to 2.75 rating*

COLORFASTNESS TO BLEACH TEST

Eclipse carpet was tested against traditional PET for colorfastness when introduced to bleach. 20 ml of lab grade bleach was placed on each of the carpets for 24 hours. They were then photographed to show any color loss. Images from the test are below.

RESULTS: Eclipse carpet retained its original color 24 hours after exposure to bleach.



Eclipse Control



Eclipse Bleach Test



Traditional
PET Control



Traditional PET
Bleach Test

STAIN, SOILING, AND CLEANABILITY TEST

METHODS:

In order to measure Eclipse carpet for staining, soiling, and cleanability, it was tested against two other carpet types: traditional polyester (PET) and PTT polyester.

All three carpets were 25 ounce weight and were treated for stain and soil resistance.

These three carpets were placed in a high-traffic area where each received 23,000 foot traffics over the course of two weeks. Each sample was cleaned using hot water extraction, then a cleaning solution.

RESULTS: Eclipse carpet was not only the easiest to clean, but it retained twist definition, pile height, and softness better than traditional PET and PTT Polyester.

[View results on the next page!](#)

ECLIPSE

TRADITIONAL PET

PTT POLYESTER

Untouched after
23,000 foot traffics



Cleaned with one pass of
hot water extraction (HWE)



Cleaned using a
cleaning agent and HWE



New Carpet



We also tested Eclipse for cleanability with common household staining agents.
CHECK IT OUT BY SCANNING THE CODE.