A recent study of soil removal has demonstrated that commercial carpet and commercial polyurethane carpet cushion systems, installed using stretch-in or double-glue methods, shows an increase in the amount of soil removed and less permanent soil marks compared to the same style of carpet without cushion.

A clean, well-maintained carpet looks better, is more comfortable to walk on, and helps control life-cycle costs. Appearance retention is the key to maintaining a commercial carpet floor. The research results on improved vacuumability provide additional evidence that this cushion can play an important role in extending a carpet’s life span of attractive appearance.

More effective maintenance and enhanced appearance retention are only two of the many benefits the cushion brings to commercial installations.

"Cushioning makes vacuuming more effective. You can press down in one area and the yarn will open up slightly in the adjacent area. Soil tends to be gritty, and grit grounds into carpet. This is what causes the loss of luster."

Howard Elder, Director of Research and Environmental Affairs, J&J and Chairman, Carpet & Rug Institute, Value Added Committee.
compared to the same style of carpet installed without cushion. In every case in this segment of the study, the test carpet installed over cushion yielded improvements compared to the uncushioned carpet installation.

A similar test was conducted using the same 26 oz. nylon loop carpet and the same commercial cushions, but installed via the double-glue method. The commercial bonded polyurethane cushion produced better results than the direct-glue comparison, yielding an improvement of more than 40% versus the same style of carpet installed without cushion. Once again, in every case in this segment of the study, carpet installed over cushion showed an improvement in vacuumability over carpet installed without cushion.

While other carpet styles may show different results, the improvements quantified in this study appear to be generally consistent with experience in the industry.

Polyurethane Carpet Cushion Improves Your Bottom Line

Recent studies have demonstrated improved vacuumability when using cushion under a commercial carpet, keeping the carpet easier to clean effectively. Cushioning also helps protect the carpet face from crushing and matting during years of foot traffic. Appearance retention and less frequent replacement offer a tangible return on your investment in cushion.

Independent testing was conducted at Professional Testing in Dalton, Ga. Several different commercial carpet cushions were tested. For complete details, contact the co-sponsor-sponsoring organizations: The Alliance for Flexible Polyurethane Foam and the Carpet Cushion Council.

Commercial Carpet: Appearance Retention Comes First

When it comes to specifying carpet, lifetime performance is the single most important consideration. Carpet’s aesthetics and design are highly valuable, but only as long as they are maintained throughout the carpet’s life cycle.

Carpets that remain in the carpet can be highly abrasive to carpet fibers. Dirt and grit rubbing against the fibers abrade the fiber surfaces and dull a carpet’s luster. To minimize this aspect of “ugly out,” the way to specify cushion that helps make the carpet easy to maintain with effective vacuuming, and keep up a comprehensive maintenance program.

A commercial carpet, when tested with a commercial bonded polyurethane cushion installed by stretch-in or double-glue methods, proved easier to clean in the vacuum test, and demonstrated a 45% to 60% or greater improvement compared to the same carpet installed without cushion.

Testing for Vacuumability

The test to evaluate the impact of carpet cushion on soil removal is conducted under highly controlled conditions. A specified amount of a special blend of oily and non-oily soils is applied and worked into the pre-conditioned carpet. After precise weighing of the carpet and the vacuum cleaner bag, the carpet is installed on a belt, where it is cycled back and forth four times under a high-performance commercial vacuum cleaner. Following vacuuming, the carpet and the vacuum bag are reweighed, and the percent soil removal is calculated.

The test method, originally designed for vacuum cleaner certification, evaluated a 26 oz. nylon loop carpet in a specified commercial carpet. Representing perhaps the most popular single construction manufactured for the commercial marketplace, the 26 oz. nylon loop carpet was tested in stretch-in and double-glue methods. In the first test, carpet over cushion was installed in a manner simulating a stretch-in installation. When tested with a commonly used commercial bonded polyurethane cushion installed, the results showed a 60% or greater improvement compared to the same style of carpet installed without cushion.

Commercial Carpet Cushion Resources

Alliance for Flexible Polyurethane Foam
800-896-APFF (2373)
info@afpf.com
www.afpf.com

Carpet Cushion Council
203-637-1312
carpetcushion@msn.com
www.carpetcushion.org

Carpet Cushion Council
203-637-1312
carpetcushion@msn.com
www.carpetcushion.org

More Reasons To Choose Carpet Cushion

- Improves Appearance Retention
- Easier to Clean
- Recycled Content By Definition & Recyclable In Many Locations
- Carpet Looks Better Longer
- Thermal Insulation Environmental Comfort
- Reduces Costs
- Reduces Fatigue
- Raises Worker Satisfaction
- Less Noise Distraction
- Improves Productivity
- Reduces Life Cycle Cost
- Better Ergonomics
- More Comfort
- Improves Acoustics

Consistent with Goal of Increased Recycling
Compared to the same style of carpet installed without cushion. In every case in this segment of the study, the test carpet installed over cushion yielded improvements compared to the uncushioned carpet installation.

A similar test was conducted using the same 26 oz. nylon loop carpet and the same commercial cushions, but installed via the double-glue method. The commercial bonded polyurethane cushion produced better results than the direct-glue comparison, yielding an improvement of more than 40% versus the same style of carpet installed without cushion. Once again, in every case in this segment of the study, carpet installed over cushion showed an improvement in vacuumability over carpet installed without cushion.

While other carpet styles may show different results, the improvements quantified in this study appear to be generally consistent with experience in the industry.

Polyurethane Carpet Cushion Improves Your Bottom Line

Recent studies have demonstrated improved vacuumability when using cushion under a commercial carpet, keeping the carpet easier to clean effectively. Combining also helps prevent crushing and matting during years of foot traffic. Appearance retention and less frequent replacement offer a tangible return on your investment in cushion.

Independent testing was conducted at Professional Testing in Dalton, Ga. Several different commercial carpet cushions were tested. For complete details, contact the co-sponsor—ing organizations: The Alliance for Flexible Polyurethane Foam and the Carpet Cushion Council.

More Reasons To Choose Carpet Cushion

Cushion Features
- Cushion installation eliminates direct-glue simplifying the installation and reducing costs.
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Cushion Benefits
- Easier to clean
- Recycled Content By Definition
- & Recyclable In Many Locations
- Carpet Looks Better Longer
- Thermal Insulation
- Environmental Comfort
- Reduces Costs
- Reduces Fatigue
- Improves Acoustics
- Better Ergonomics
- More Comfort
- Reduces Life Cycle Cost
- Improves Productivity
- Less Noise Distraction
- Consistent with Goal of Increased Recycling
A recent study of soil removal has demonstrated that commercial carpet and commercial polyurethane carpet cushion, properly installed by stretch-in or double-glue methods, shows an upward of 70% to 80% or greater improvement in test results compared to the same style of carpet installed without cushion.

A clean, well-maintained carpet looks better, is likely to last longer, and helps to control life cycle costs. Appearance retention is the key to budgeting in commercial installations. The research results on improved vacuumability provide additional evidence that cushion can play an important role in extending carpet longevity of attractive appearance, thus helping to control costs of continually refurbishing and replacement.

More effective maintenance and enhanced appearance retention are only two of the many benefits carpet cushion brings to commercial installations.

"Cushioning makes vacuuming even more effective. You can pull a large area and the yarn will open up slightly in the adjacent area. Soil tends to be gritty, and grit grounds into the carpet. This is what causes the loss of luster."

Howard Elder, Director of Research and Environmental Affairs, J&J and Chairman, Carpet & Rug Institute, Value Added Committee