

EcoFlex™ ONE

The **ALL-IN-ONE** Flooring Solution



EcoFlex ONE

Advanced Performance

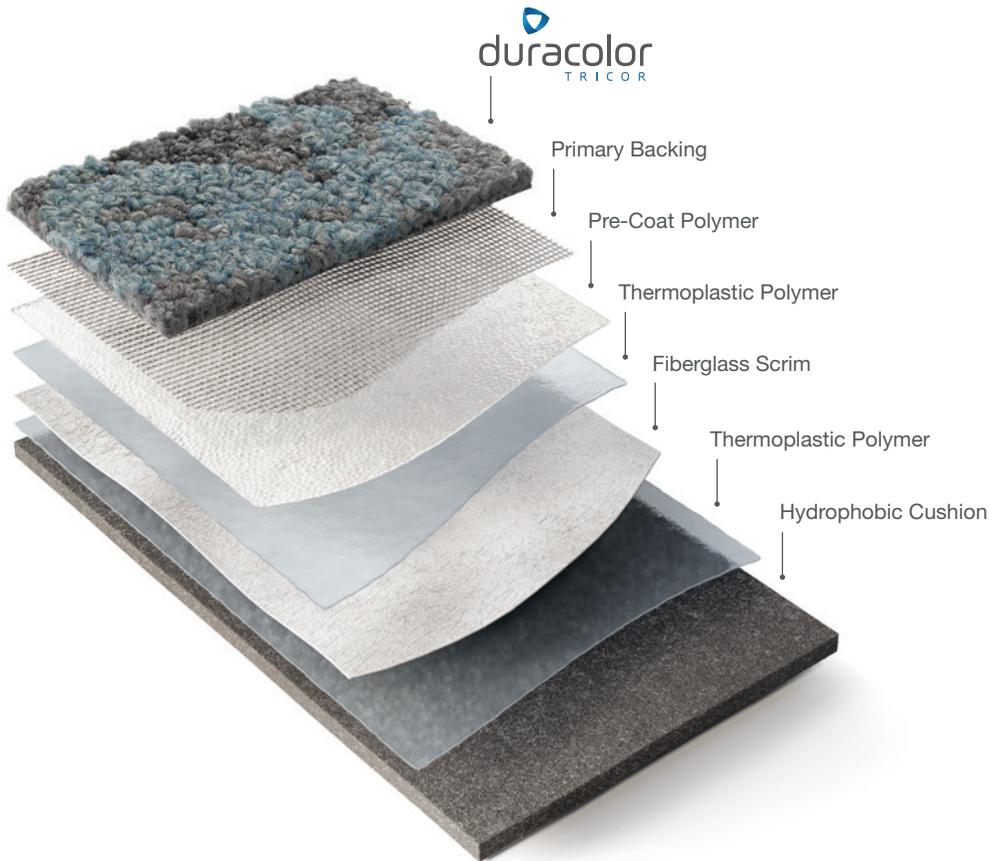
Solving all your flooring challenges with one complete solution is now possible with EcoFlex ONE. This state-of-the-art backing system combines with the advanced engineering of Duracolor® Tricolor fiber to deliver modular carpet that leads the industry in durability, cleanability, performance, and sustainability.

EcoFlex ONE is an advanced flooring solution that improves every aspect of comfort and acoustics while eliminating moisture testing — all with a lighter environmental footprint that is Beyond Carbon Neutral. Tested, proven, and certified, EcoFlex ONE is the holistic solution for human-centric environments.

EcoFlex ONE gets it done.

EcoFlex™ ONE

ALL-IN-ONE Flooring Solution



Every element in the EcoFlex ONE construction has purpose, and combined they form the industry's leading modular carpet solution. The hydrophobic PET cushion, backing layers, and Duracolor Tricolor fiber are engineered with your end-goals in mind: to optimize your investment, be sustainably made, and provide a better occupant experience.



EcoFlex ONE

Certified Sustainability

Designed to be environmentally proactive, EcoFlex ONE takes your spaces to a higher standard of sustainability.

As part of our commitment to The Climate Pledge and to going Beyond Carbon Neutral, EcoFlex ONE has the lowest embodied carbon of all our solutions to date and is 100% carbon neutral plus an additional 5% offset. It's how we're empowering you to make a positive impact on climate change.

EcoFlex ONE is NSF 140 Platinum Certified—the highest level of environmental performance for floor coverings. The modular carpet contains at least 74% recycled content, helping to eliminate the plastic waste stream.

With no compromises on appearance, performance or comfort, EcoFlex ONE makes it simple to create spaces that support greater wellness for people and planet.

100%

Carbon Neutral plus an additional
5% carbon offset

64%

Reduction in **embodied carbon emissions**
from manufacturing EcoFlex ONE

74%

Minimum total **recycled content** in
EcoFlex ONE modular carpet

28

Plastic bottles (equivalent) diverted from landfill in every
square yard of EcoFlex ONE modular carpet

CERTIFICATIONS

NSF 140 Platinum | Living Product Challenge Certified | Red List Free
CRI GreenLabel Plus | EPD | HPD



EcoFlex ONE

Improves Acoustics

Noise in a space can have a range of negative impacts, from reducing productivity at work, to preventing students from understanding their teacher, to increasing stress for occupants.¹

EcoFlex ONE helps you control and improve the acoustics in your spaces, actively reducing both in-room and structure-borne noise. The integrated cushion absorbs more sound and prevents its transmission to adjacent rooms.

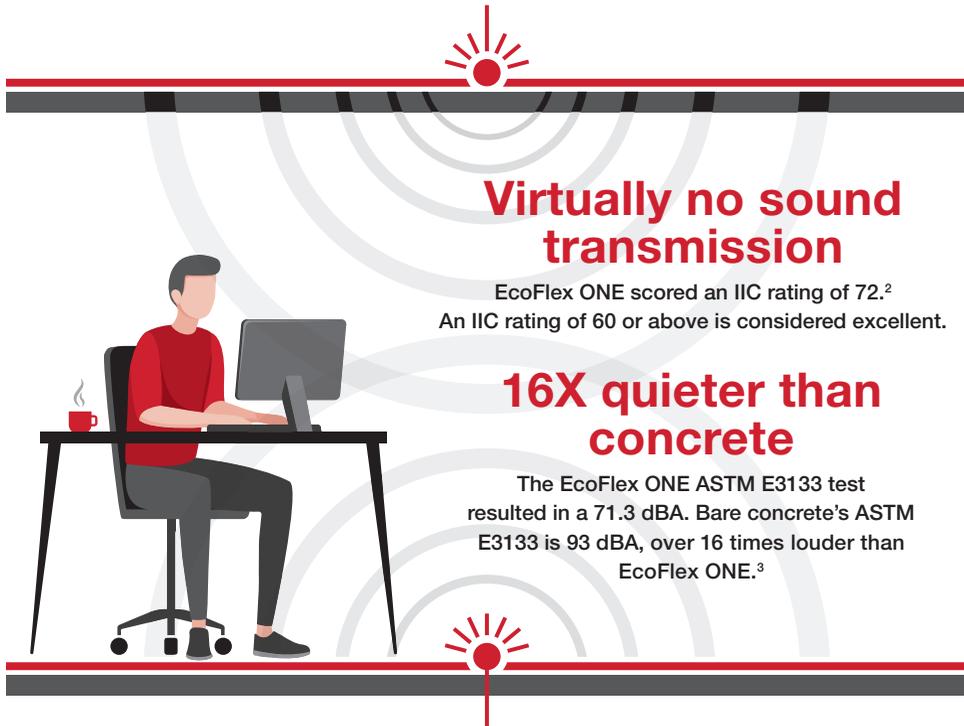
By creating a quieter environment, you're helping to reduce potential auditory distractions, delivering a calmer, more supportive experience in your spaces and contributing to feelings of well-being.

1. https://www.mohawkgroup.com/sitefiles/resources/WhitePaper_Acoustics.pdf

Structure-borne noise reduction

A flooring product's IIC (Impact Insulation Class) Rating tells you how well it absorbs the sound of footsteps and other traffic, which could otherwise create noise in the space below it. EcoFlex ONE is tested and proven to provide outstanding noise reduction between floors.

In the IIC test, a tapping machine strikes the floor above the room where structure-borne sound is measured.



Virtually no sound transmission

EcoFlex ONE scored an IIC rating of 72.²
An IIC rating of 60 or above is considered excellent.

16X quieter than concrete

The EcoFlex ONE ASTM E3133 test resulted in a 71.3 dBA. Bare concrete's ASTM E3133 is 93 dBA, over 16 times louder than EcoFlex ONE.³

In the ASTM E3133 test, a tapping machine strikes the floor within the room where airborne sound is measured.

Airborne noise reduction

Impact sound creates airborne noise within the space where it's occurring. The ASTM E3133 test measures how much sound radiates into the room from impacts on the floor. EcoFlex ONE is shown to drastically reduce noise within a room, delivering a more supportive environment for working, learning, resting, and healing.

2. IIC result on 6" concrete slab with ceiling

3. <https://www.osha.gov/otm/section-3-health-hazards/chapter-5>



EcoFlex ONE

Enhances Comfort

Workplace or school, hotel or healthcare facility, a well-designed space is one that provides both comfort for occupants and functional efficiency. EcoFlex ONE is designed to deliver that balance.

Extended periods of standing or walking are well-known causes of discomfort and fatigue, which negatively impact a person's efficiency and productivity. EcoFlex ONE provides a cushioned platform to reduce fatigue and help occupants feel more comfortable for longer periods of time.

Fatigue can negatively affect a worker's memory, mood, concentration, and decision making.⁴



EcoFlex ONE improves comfort, reducing fatigue due to standing and walking

According to a study from researchers at the University of Pittsburgh, flooring can strongly influence a person's sense of fatigue. Study participants were asked to stand on different types of flooring for four hours while doing computer work. The study showed that by the third and fourth hour, the floor type significantly impacted the participants' sense of fatigue.⁵

4. Reason, J., Human error. 1990, New York: Cambridge University Press.

5. Cham, R. and M.S. Redfern, Effect of flooring on standing comfort and fatigue. Hum Factors, 2001. 43(3): p.381-91.



EcoFlex ONE

Worry-Free Installation

High-moisture concrete slabs are a common condition in today's buildings, often requiring costly mitigation and delaying occupancy. Likewise, slabs with existing adhesives often require the added time and expense of adhesive removal to prevent flooring failure.

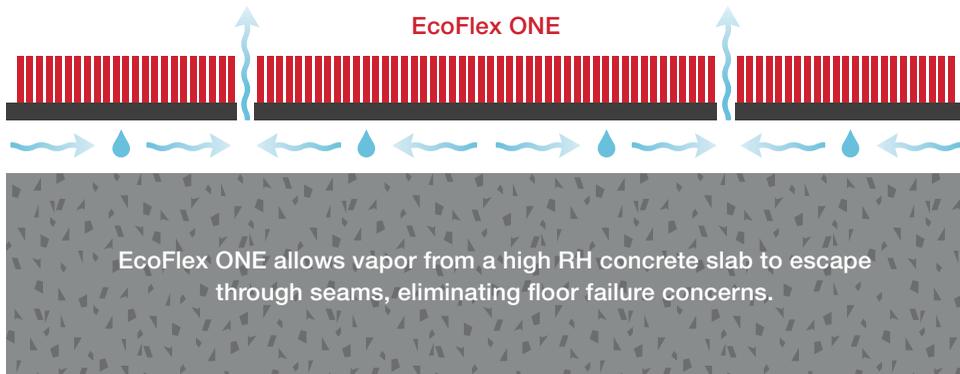
EcoFlex ONE removes concerns related to subfloor moisture and old adhesive residue, allowing installation on high-moisture slabs and over existing adhesives. EcoFlex ONE can even be installed without any moisture testing, provided there are no visible signs of moisture.

Now and down the road, EcoFlex ONE protects your carpet installation from the hassle, expense, and delay of dealing with subfloor moisture and existing adhesives.

ZERO

Moisture testing and reduced pre-existing adhesive concerns⁶

Leading to less prep time, lower costs, and fewer hassles



EcoFlex ONE performs on demanding sub-floor conditions

Estimates indicate that up to **\$1 billion** is spent annually in the U.S. on correcting moisture-related issues with concrete slabs. With EcoFlex ONE, you can avoid these problems in most situations. EcoFlex ONE allows subfloor moisture to pass through the seams of the installed modular carpet—meaning less need to pay for expensive mitigation systems upfront, and reduced costs from moisture problems down the road.

Concrete moisture mitigation costs can range between \$1.50 to \$5.00 per sq. ft. By using EcoFlex ONE on a 30,000 sq. ft. job, your estimated cost savings could be as much as \$150,000.

6. No moisture testing required, provided that no visible moisture is present. Refer to Mohawk Group installation guidelines for additional details.

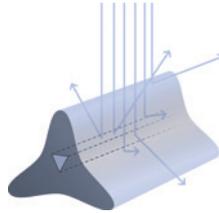


EcoFlex ONE Simplifies Maintenance

Modular carpet with EcoFlex ONE features our next-generation carpet fiber, Duracolor Tricolor.

Duracolor has set the standard of high-performance commercial carpet since 1992, with over 175 million yards installed. Duracolor Tricolor builds upon this legacy, providing an even higher level of performance and beauty in demanding environments.

Duracolor Tricolor is engineered with an innovative shape and optical core, which optimize color clarity, strength, stain resistance, soil hiding, and soil removal. The result is a carpet that delivers the ultimate synthesis of brilliant color and unsurpassed performance.



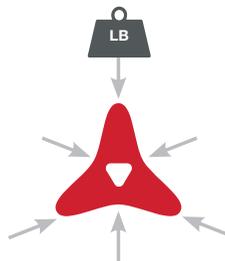
Innovative Soil Control

Carpet made with Duracolor Tricor fiber requires less maintenance over time and provides brilliant color that retains its beauty between cleanings. The secret is the fiber's unique modified-delta shape and triangular hollow core. These attributes hide the appearance of soil and boost color clarity, while also making it easier to remove soil from the carpet.



Permanent Stain Resistance

Carpet stains are often regarded as the biggest challenge in maintaining commercial spaces. Duracolor Tricor provides permanent built-in stain resistance that won't wash or wear off. Up to 96% of the most common stain-causing substances can be easily cleaned with just water, saving facilities time and money.



Extraordinary Durability

In addition to its beauty and cleanability, Duracolor Tricor's shape and hollow core provide tremendous strength, helping the fiber resist crushing. This enables the carpet to deliver greater durability and a longer life-cycle.



EcoFlex ONE Gets It Done

- Beyond Carbon Neutral—carbon neutral plus an additional 5% offset to positively impact the planet
- Reduces noise within rooms and between floors for an improved occupant experience
- More comfortable underfoot, reducing fatigue
- Delivers a worry-free installation with no need for moisture testing provided no visible moisture is present, and reduces concerns about existing flooring adhesives
- Unsurpassed durability, cleanability, and beauty of Duracolor Tricolor fiber
- Provides a seamless transition to our 4.5mm and 5mm LVT

EcoFLEX ONE provides a lifetime limited modular carpet warranty for wear, static protection, edge raveling/zippering, delamination, and dimensional stability.

For current and complete specifications please visit [mohawkgroup.com](https://www.mohawkgroup.com)

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