



## MATERIALITY

# Vinyl vs. Non-Vinyl Flooring

## Material Choices You Can Stand Firm On

At Mannington Commercial, we're committed to crafting flooring that's beautiful and high-performing. We also design every product to be safe for the people who make it, the people who use it, and the environment.

When we select materials for our products, we hold them to rigorous standards. That's why we created this guide that compares vinyl and non-vinyl options and explains how to select flooring that meets your design, performance, cost, safety, and sustainability goals.



## What Is Resilient Vinyl Flooring?

Resilient flooring is engineered to provide a variety of aesthetic options and durability under pressure. One of the most widely used types is vinyl flooring, made primarily from polyvinyl chloride (PVC) and other synthetic materials. Two of the most common types of vinyl flooring include Luxury Vinyl Tile (LVT) and Sheet Vinyl.

Other resilient options are available without PVC, often referred to as non-vinyl or PVC-free products. These floors are typically made with alternative resins or mineral blends and can be specified in similar formats, such as tile, plank, or sheet.

## What Goes into Vinyl and Non-Vinyl Flooring Options?

Vinyl and non-vinyl resilient flooring share a number of material and construction similarities. Many of the same components are used to achieve performance and design goals:

- Plasticizers add flexibility and prevent cracking
- Stabilizers protect color and durability over time
- Fillers may enhance fire resistance and thickness of the flooring
- Pigments help achieve the desired color
- May include proprietary mineral blends or bio-based materials (varies by manufacturer)

	VINYL	NON-VINYL
RESINS	Uses <b>PVC resins</b> as the structural backing of the product which increases wear resistance and durability.	Uses <b>alternative synthetic resins</b> such as polyethylene (PE), polypropylene (PP), polyolefin, ethylene vinyl acetate, acrylics, or polyurethane (PU), which have limited long-term wear resistance data compared to vinyl.
ADDITIVES	Plasticizers, stabilizers, fillers, and pigments are commonly used to enhance performance. Historically, vinyl products included materials of concern, but responsible manufacturers have eliminated these from modern formulations.	Often uses stabilizers, fillers, and pigments to enhance performance—and may include plasticizers. Chemistries vary more widely between manufacturers, but responsible manufacturers actively work to eliminate materials of concern.
END OF LIFE	PVC is recyclable and can often be reused multiple times, though post-consumer recycling may be limited due to contamination and market limitation.	Still primarily fossil-fuel based and may be difficult or impossible to recycle.



Mannington Commercial vinyl products are domestically made without many of the legacy additives that are cause for concern—like ortho-phthalates, heavy metals, and Bisphenol A.

## How Do You Choose the Right Resilient Flooring?

Selecting the right materials for your flooring starts with understanding the specific needs of your space and the priorities of your project. Whether you're considering vinyl or non-vinyl options, keep these factors in mind:

- **Aesthetic goals**  
Does the product offer the visuals, colors, and formats you need?
- **Performance requirements**  
Will it withstand the expected traffic, moisture, or rolling loads and maintain its appearance?
- **Budget**  
Does it meet your cost targets, both initially and over the product's lifecycle?
- **Sustainability priorities**  
How does it support goals for circularity, climate impact, and human health?
- **Maintenance needs**  
Can it be cleaned and cared for efficiently over time?
- **Transparency and verification**  
Are there third-party certifications to back up performance and safety claims? Do product disclosures reveal all ingredients, including at 100 parts per million, or are some withheld for proprietary reasons?

**By weighing these considerations, you can select a flooring solution that holistically meets your goals.**

## Why Mannington Commercial Vinyl Flooring?

We craft our vinyl flooring with the same focus on design, performance, and responsibility that guides everything we make. Every product is built to excel in commercial environments and held to strict standards for safety, material health, and sustainability. While new alternatives are emerging, our vinyl flooring continues to offer:

### Unmatched Design Flexibility

One of vinyl's greatest strengths is the variety of visuals it can deliver. Designers can enjoy a range of design and color flexibility. Different tile and plank sizes can also be combined into unique laying patterns, giving you even more ways to bring your vision to life.

- Woodgrains
- Abstract patterns
- Stone looks
- Wide range of colors



## Proven Durability

Vinyl floors are engineered to perform in the real world. They are strong enough to withstand heavy foot traffic, rolling loads, and daily wear without breaking down. Both LVT and sheet vinyl resist dents, scratches, stains, and moisture, which make them a reliable choice for commercial spaces. Vinyl is also well established in terms of installation, with adhesives that are widely proven and compatible across applications—something that may vary more with newer non-vinyl products.

We offer a range of LVT and resilient sheet vinyl constructions and wear layers to help you achieve your specific performance goals. While our 12 mil wear layer products are typically used only in light commercial spaces, Mannington Commercial also offers 20, 30, and 40 mil constructions to support everything from administrative offices to hospital corridors and building lobbies.

## A Path to Circularity

PVC is one of the most recyclable plastics in commercial use. It can be reground and reused multiple times without degradation, particularly in pre-consumer applications. Post-consumer recycling is more complex due to potential contamination, but infrastructure and programs are continuing to improve.

At Mannington Commercial, we strive to minimize waste and landfill contributions by reusing our LVT manufacturing scrap in the production of new products. We also support vinyl flooring takeback programs and work with you to reclaim LVT, sheet vinyl, and accessories for recycling.

## Ease of Maintenance

The hard, water-resistant surface of vinyl allows for easy cleaning and maintenance. Many Mannington Commercial resilient products also feature factory-applied coatings, which are engineered to deliver long-term performance without the need for floor finish. Spills and dirt wipe up easily without any special products, sealing, or labor-intensive polishing routines. That means you can reduce long-term maintenance costs while keeping your floors looking their best.

## Better Value Over Time

Vinyl benefits from decades of manufacturing efficiency and evolution, as well as supply chain scale, making it one of the most budget-conscious options without sacrificing quality. High-quality vinyl flooring also lasts longer than many alternatives, reducing the need for premature replacement. Fewer replacements mean you generate less waste and have fewer disruptions in your space.

**More than 95% of our LVT is made in the USA, which helps us provide faster turnaround and control price fluctuations.**



## Not All Vinyl Is Created Equal

The performance of your resilient vinyl flooring depends on how it's made—and who makes it. At Mannington Commercial, we take a rigorous, transparent approach to material health and safety for our vinyl products.

## Protecting People

We've eliminated more than 15 ingredients and chemical classes of concern from our products. We also work closely with our resin suppliers, who demonstrate best-in-class production of vinyl resins in safe, highly controlled, closed-loop systems that minimize emissions and protect worker health.

Within our own facility, our manufacturing processes are carefully controlled to protect people and the surrounding environment. Production operates within tightly managed temperature ranges that are far below the threshold for releasing chlorine or hydrochloric acid gases. These temperatures are continuously monitored and automatic safety systems are in place to shut down processes should temperatures approach unsafe levels.

## Increasing Transparency

We publicly disclose product-specific information to help customers understand the environmental and health impacts of our materials:

- **Health Product Declarations (HPD)**

We disclose third-party verified product content, emissions, and health information about materials, processes and related certifications of the product for 100% of our formulations down to 100 parts per million. That's one drop in a gallon of water.

- **Environmental Product Declarations (EPD)**

Each product undergoes a third-party verified lifecycle assessment to understand and document its impact on the environment—embodied carbon, smog, acid rain, nitrification of marine environments, and fossil fuel consumption.

## Validating Our Commitments

Our hard surface flooring is also backed by trusted independent verification programs:

- **100% +Vantage Vinyl Verified – Silver**

Our entire facility is +Vantage Vinyl verified – Silver based on an independent evaluation of its resource efficiency, emissions, material health, and safety. Key suppliers, including resin producers, are also verified—helping ensure our products are held to the same rigorous standards at every step of the supply chain.

- **100% FloorScore**

All our commercial hard surface products meet rigorous indoor air quality standards recognized by LEED and CHPS.

**For more information or to download resources like our Material Health Sheet, go to [manningtoncommercial.com](http://manningtoncommercial.com).**

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