

H·FLOR

Stage for life

Featured Colors:  
Flooring - HFLOR 1451 North Shore  
Fireplace Surround - TERACANTO Cristallo


Gluedown | 2T

# ForestFusion Collection

Luxury Vinyl Plank

Please feel free to contact us  
for further information.

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[lxhausys.com/us](https://lxhausys.com/us)



LX Hausys America Inc.  
3480 Preston Ridge Rd #350  
Alpharetta, GA 30005  
Toll Free 866-544-4622  
Email: [flooring@lxhausys.com](mailto:flooring@lxhausys.com)  
[www.lxhausys.com](https://www.lxhausys.com)

Featured Color: 1441 Oasis

# ForestFusion

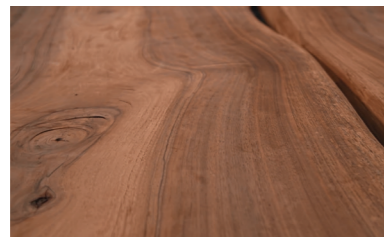
With TrueMatte Technology

## TrueMatte – A foundation for Nature’s Texture

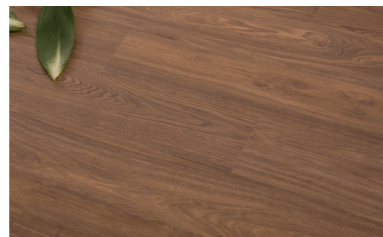
TrueMatte is a groundbreaking technology that transcends the boundaries of Conventional Luxury Vinyl flooring, creating not just a surface finish but an enduring foundation that withstands the test of time. As you explore TrueMatte, a captivating world unfolds – where matte-luster visuals, exceptional protection against daily life, and an impenetrable shield against stains come together to elevate interior design to unprecedented heights. TrueMatte exemplifies the integration of technological innovation and the intrinsic allure of the natural world, offering a harmonious blend that enhances the aesthetic and functional aspects of interior spaces.

### Matte-Luster Visuals: Embracing the Authenticity of Nature

Incorporating elements and textures inspired by nature into our homes is a pivotal concept that significantly contributes to our well-being and fosters a profound connection to the environment. The concept of connecting with nature within our living spaces gained heightened importance, particularly in the wake of the pandemic. TrueMatte technology, echoing the essence of this trend, seamlessly integrates the beauty of natural elements into the built environment. It offers a tactile experience through flooring materials that evoke the warmth and authenticity of wood, thereby enhancing the overall connection to nature within our homes.



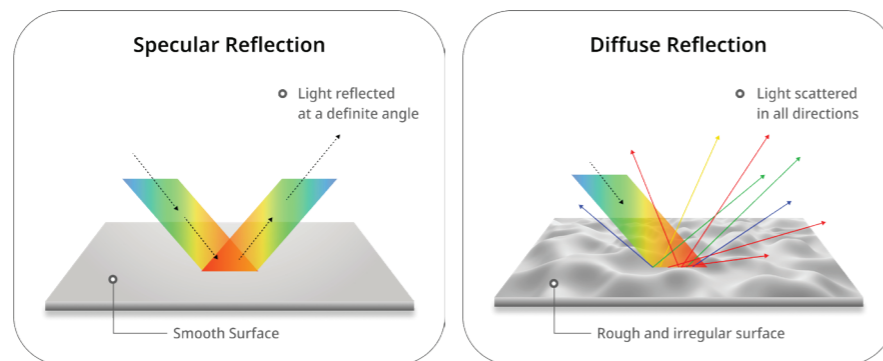
Natural Wood



ForestFusion Collection with TrueMatte

At the heart of TrueMatte’s allure is its exceptional ability to replicate matte-luster visuals, drawing inspiration from the rich textures of natural materials such as wood and stone. This achievement is rooted in a profound understanding of light reflection principles.

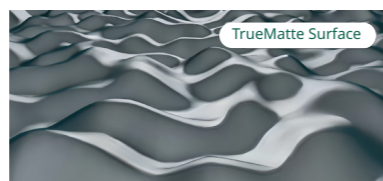
Specular reflection, characterized by light bouncing off a smooth surface at a definite angle, finds its counterpart in diffuse reflection resulting from the scattering of light in all directions on rough surfaces.



TrueMatte innovatively integrates diffuse reflection principles, introducing surface wrinkles that dramatically reduce the amount of light reflected compared to Conventional Luxury Vinyl technologies.

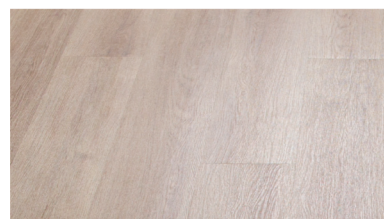


Conventional Luxury Vinyl Surface

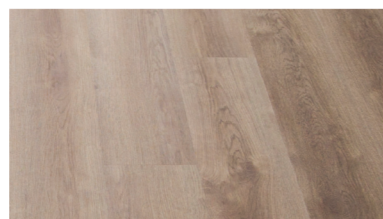


TrueMatte Surface

The outcome is a surface that not only mimics but authentically exudes the natural appearance of wood or stone, seamlessly bringing the outdoors into your living spaces.



Polished visual of Conventional Luxury Vinyl surface

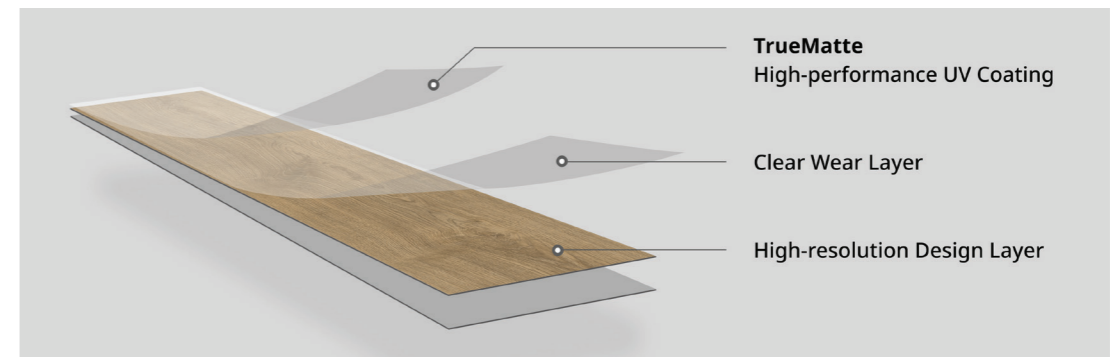


Matte-luster visual of TrueMatte surface

As technology advances, HFLOR stays committed to creating environments that capture the essence of nature. TrueMatte provides a canvas that reflects the poetry of the natural world, transforming the aesthetics of your flooring into a captivating visual experience.

### Exceptional Protection against Daily Life: Enduring Beauty Redefined

TrueMatte showcases not just its aesthetic appeal but also emphasizes its durability. Perfected with high-performance UV coating technology, TrueMatte provides an exceptional shield against the wear and tear of daily life. The cured UV coatings enhance the hardness of the surface, rendering it resilient to scratches and abrasions.



### Martindale Micro-scratch Testing (EN 16094)

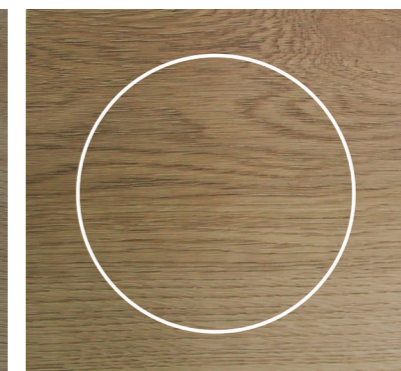
The Martindale abrasion test is a commonly used method to evaluate the micro-scratch resistance of laminate and engineered wood floor coverings. Using this tester, the EN 16094 method simulates everyday wear-and-tear at an expedited pace to determine a product’s resilience to gloss change and visible scratching.



After operating for 160 cycles with a 4N weight on top of a heavy-duty abrasive Scotch-Brite pad, moving in a Lissajous pattern, the results indicate that the TrueMatte surface-coated sample shows either no scratches or only a few noticeable scratches. In contrast, the Conventional Luxury Vinyl surface-coated sample exhibits very noticeable scratches.



Conventional Luxury Vinyl surface



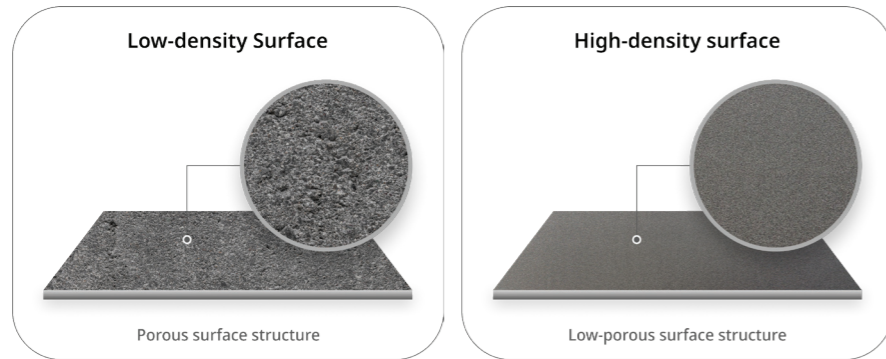
TrueMatte surface

The robust defense against scratches ensures the long-lasting beauty of your flooring. TrueMatte doesn’t merely promise aesthetic appeal; it delivers a flooring solution that can gracefully withstand the trials of everyday life. It offers flooring options that are not only visually stunning but also enduring, highlighting the synergy of form and function in every square foot of your space.

### Impenetrable Shield: Staining Preventive Technology at Its Pinnacle

TrueMatte surface incorporates advanced staining preventive coating technology. Its low porosity and dense structure act as an impenetrable shield against stains, setting a new standard in stain resistance.

The high density of surface structures results in smaller or fewer pores, limiting entry points for contaminants. This meticulous design creates a barrier that prevents particles or substances from penetrating the surface, ensuring unparalleled stain resistance.



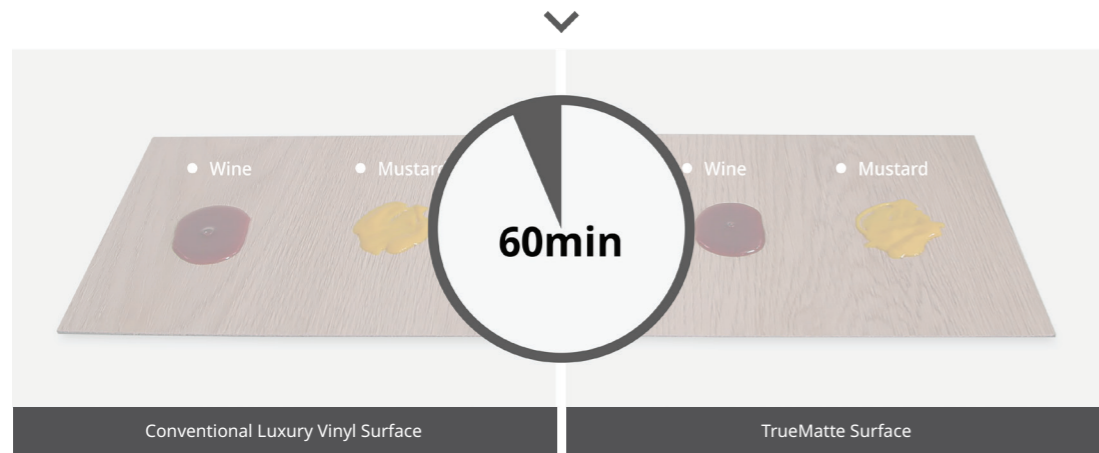
### Stain resistance test comparing TrueMatte and Conventional Luxury Vinyl flooring surfaces

A stain resistance test is used to evaluate how well the surface withstands and repels common stains, specifically wine and mustard. The evaluation focuses on the visibility of stains left behind by the wine and mustard after the cleaning process.

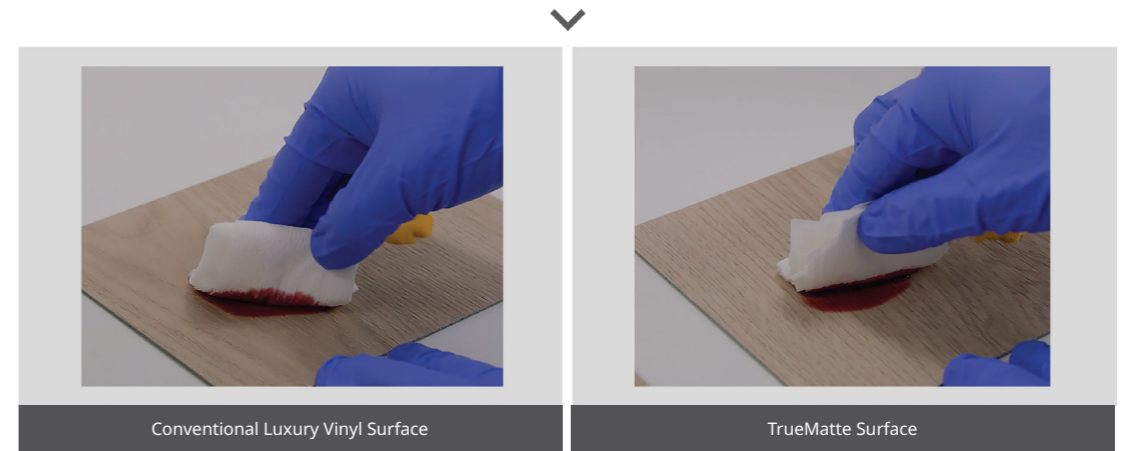
To initiate the test, a controlled amount of wine and mustard is applied onto the surface of the flooring sample.



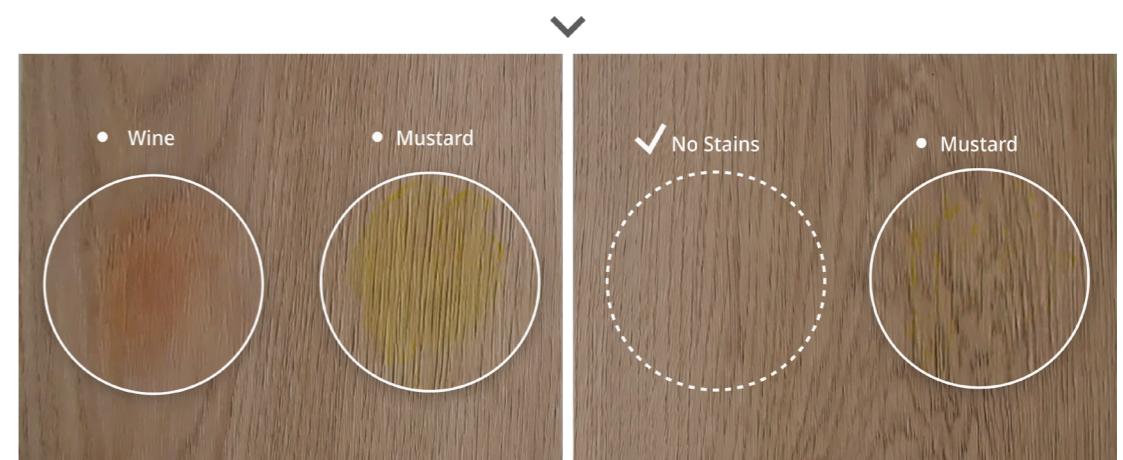
After the application of the stains, the flooring samples are left undisturbed for a specified duration of 60 minutes.



Following the waiting period, the next step involves wiping away the wine and mustard from the surface of the flooring.

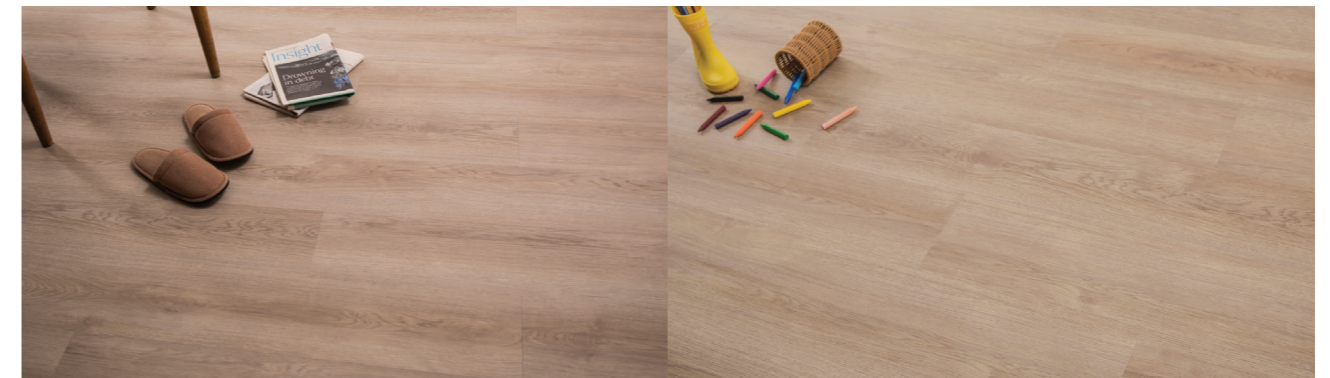


Once the cleaning process is completed, the surface of each flooring sample is thoroughly examined.



The results of the stain resistance test reveal a remarkable distinction between TrueMatte and Conventional Luxury Vinyl surfaces.

TrueMatte demonstrates an impressive resistance to wine stains, with no visible wine traces left on the surface after the cleaning process. Equally remarkable is TrueMatte's resilience against mustard stains, showcasing only minimal staining. Conversely, for the Conventional Luxury Vinyl surface, visible stains of both wine and mustard remain on the surface after the cleaning process.



Life's inevitable spills and splashes pose no threat to the flawless beauty of TrueMatte. TrueMatte offers a reliable defense against stains, maintaining the pristine appearance of your surfaces. It's a practical and elegant solution for spaces where spills are a common occurrence, such as kitchens and dining areas, ensuring that your floors maintain its flawless appearance for years to come.

### HFLOR: A foundation where innovation meets nature

HFLOR takes the commitment to innovation and nature a step further. With a diverse range of flooring solutions, HFLOR makes a constant effort for elegance, durability, and a harmonious blend of modern technology and natural aesthetics.

TrueMatte, as a testament to this commitment, embodies the essence of HFLOR's core values building a foundation where innovation seamlessly meets nature.

# Specifications

**COLLECTION NAME** ForestFusion  
**TOTAL # SKUs (Colors)** 12

**PRODUCT SPECIFICATIONS/CONTENT/CERTIFICATIONS**

Total Thickness 2.0 mm (0.079")  
 Wear Layer Thickness 12 mil (0.3 mm)  
 Finishing/Coating (just "Finish") TrueMatte  
 Nominal Dimensions (inches) Plank (7" x 48")  
 Actual Dimensions (mm) 7" x 48" (177.8mm x 1219.2mm)  
 Class/ASTM F1700 Class III Printed Film vinyl tile - Type B (embossed)

**THIRD PARTY CERTIFICATION**

Health Product Declaration (HPD) 3rd Party Certified  
 Environmental Product Declaration (EPD) 3rd Party Certified  
 Indoor Air Quality FLOORSCORE® Certified

**PRODUCT PERFORMANCE/TESTING**

Size and Tolerance (ASTM F2055) Passes  
 Thickness (ASTM F386) Passes  
 Squareness (ASTM F32055) Passes  
 Residual Indentation (ASTM F1914) Passes  
 Flexibility (ASTM F137) Passes  
 Dimension Stability (ASTM F2199) Passes  
 Chemical Resistance (ASTM F925) Passes  
 Resistance to Heat (ASTM E1514) Passes  
 Resistance to Light (ASTM E1515) Passes  
 Critical Radiant Flux (ASTM E648) Passes  
 Optical Smoke Density (ASTM F662) Passes  
 Slip Resistance (ASTMC1028) Passes  
 Static Load (ASTM F970) Passes, 2000 PSI

**TECHNICAL INFORMATION/DOCUMENTS**

Product Warranty 10 Years for Light Commercial/25 Years Residential  
 Installation Method Direct Glue

\*For detailed warranty and specification information, visit [www.lxhausys.com](http://www.lxhausys.com).  
 \*All specifications are subject to change without notice.

Showcasing 12 diverse hues reminiscent of natural elements, TrueMatte Technology provides enhanced color and pattern clarity, elevating the authentic look of its natural wood tones.



1441 Oasis | D1



1446 Reserve | D2



1442 Retreat | D2



1449 Overlook | D3



1443 Enclave | D2



1445 Summit | D1



1447 Skyline | D3



1450 Ridge | D3



1444 Avalon | D2



1448 Cloud | D3



1451 North Shore | D2

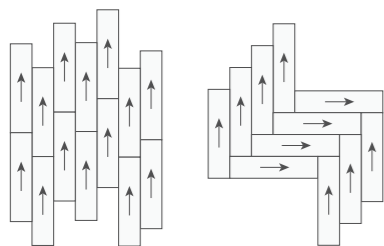


1452 Arbor | D1

D1, D2, D3 are color distinction numbers.

# Installation Guide

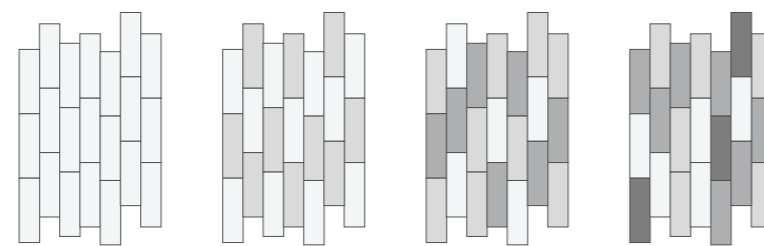
**RECOMMENDED INSTALLATION METHODS**



Stagger

Herringbone

**PRODUCT DISTINCTION GUIDE**



D1

D2

D3

D4

Echoing the beauty of nature; the diverse color tones and surface textures in resilient products contribute to a more natural appearance. Planks with a D1 assessment exhibit minimal distinctions, while those with D4 may showcase more pronounced differences in both color tone and surface texture. Before installation, customers are encouraged to review and approve a selection of planks with D3 or D4 distinctions.

For Installation and Product Care Instruction, visit [www.lxhausys.com/us/pros/documentation/all-products/catalogue](http://www.lxhausys.com/us/pros/documentation/all-products/catalogue)

Featured Color: 1441 Oasis



Il design è un'attività che si svolge in un contesto storico e culturale, e che è influenzata dalle tendenze e dalle mode. Il design è un'attività che si svolge in un contesto storico e culturale, e che è influenzata dalle tendenze e dalle mode. Il design è un'attività che si svolge in un contesto storico e culturale, e che è influenzata dalle tendenze e dalle mode.

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Featured Color: 1443 Enclave



Featured Color: 1452 Arbor



Featured Color: 1451 North Shore (Fireplace surround:TERACANTO Cristallo)



Featured Color: 1446 Reserve



Featured Color: 1449 Overlook