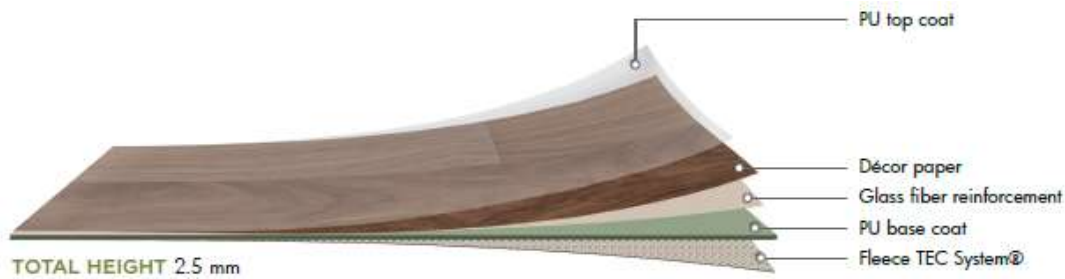


wineo PURLINE®



General Information

wineo PURLINE® is a heterogeneous commercial resilient floor covering consisting of bio-polyurethane (ecuran), Fleece TEC® system backing glass fiber reinforcement, paper print layer, and clear PU top layer. wineo PURLINE is suitable for use in many different types of public buildings and healthcare environments, including sanitary areas with the use of welded seams.

This product must be used for interior applications only and must be installed by professional installers that have sufficient professional liability insurance coverage (aka Errors and Omissions Insurance) for the project. Caution should be used in moving and lifting. Allow for appropriate equipment and manpower to safely move materials. Work safe and always follow the relevant safety procedures.

wineo PURLINE is a bio-polyurethane based flooring - a new category of floorcovering - which requires a substantially different type of simple but specific installation parameters than vinyl, rubber, linoleum, or other types of resilient floor coverings. All Installation, Maintenance and Warranty requirements must be read, understood and followed – contact Matter Surfaces directly with any questions on compliance with any requirements.

Matter Surfaces recommends installing and maintaining entrance matting at all outdoor entrances; this will improve air quality, reduce maintenance costs, and lengthen the life of your floors.

These instructions supersede any verbal or written instructions from Matter Surfaces representatives and must be followed in order for the limited warranty to be in effect.

Technical Data

ASTM Spec	ASTM F3403 (Roll Goods) & ASTM F3404 (Planks/Tiles)
Roll	~ 6' 7" x 65' 7" (2m x 20m); (~ 430.56 ft ² per roll)
Wood XS Plank	~ 4" x 24" (100mm x 600mm) w/ micro-bevel all 4 sides; (28 planks, ~18.08 ft ² per case)
Wood L Plank	~ 8" x 48" (200mm x 1200mm) w/ micro-bevel all 4 sides; (20 planks, ~ 51.67 ft ² per case)
Wood XL Plank	~ 10" x 59" (250mm x 1500mm) w/ micro-bevel all 4 sides; (12 planks, ~ 48.44 ft ² per case)
Stone XL Tile	~ 19½" x 39" (500mm x 1000 mm) w/ micro-bevel all 4 sides; (10 tiles, ~ 53.82 ft ² per case)
Thickness	~ 1/8" (2.5 mm)

Composition	Heterogeneous commercial floor covering constructed of bio-polyurethane (ecuran), Fleece TEC® system backing, glass fiber reinforcement, décor paper print layer, and a clear PU top layer.
Weight	~ 0.74 lbs. per ft ²
Backing	Fleece TEC® system
Limited warranty	15 years

Performance	Test Method	Requirement	Result
Flammability	ASTM E648	>0.45 w/cm ²	Class 1
Smoke density	ASTM E662	≤ 450	≤ 450
Slip resistance	ASTM D2047	None	0.92
Fungi growth	ASTM G21	None	No growth
Static load	ASTM F970	None	0.002" (250 lbs.) & 0.005" (1450 lbs.) residual indentation
Color stability – heat	ASTM F1514	None	Δ (Delta) E < 0.1
Color stability – light	ASTM F1515	None	Δ (Delta) E < 0.1
Sound transmission	ASTM E2179	None	Δ (Delta) IIC 7 & IIC 35
	ASTM E1007	None	AiIC 51 with Underfloor QC and 8-inch concrete slab
Dimensional stability	ASTM F2199	None	< 0.2%
Chemical resistance	ASTM 925	None	Exceeds standard specifications
Antistatic behavior	AATCC 134	None	Maximum Average of 3.1 kV negative
R Value	ASTM C518	None	0.07
UV Resistance	EN ISO 105 – B02	None	≥7
Squareness deviation	ASTM F2421	None	≤ 0.005" (planks and tiles)
Taber Abrasion	ASTM D4060	None	1,000 cycles, 0.09% weight loss

Adhesive	Moisture Limits	Application Method	Coverage
MI PURfilm	≤ 99% RH **	Dry Adhesive Film	(30"x250' roll) = 625 ft ² /roll (12"x250' roll) = 250 ft ² /roll (3¾"x250' roll) = 78.1 ft ² /roll
MI 3500	≤ 100% RH **	1/16" x 1/32" x 1/32" U-Notch Trowel (FFA)	~ 170 - 220 ft ² / gallon
	** with declining RH values and an intact moisture retarder		

Tested following the protocol of ASTM F2170, the results must not exceed the published limits. Check the expiration date of specified adhesive product, if expired - do not use.

It may not be the flooring contractor's responsibility to conduct moisture testing. It is, however, the flooring contractor's responsibility to make sure these tests have been conducted and that the results are acceptable prior to installation. Testing should be performed by an International Concrete Repair Institute (ICRI) certified concrete slab moisture testing technician (CCSMTT); please visit https://www.icri.org/page/ccsmtt_list.

All on or below grade concrete subfloors must also have a confirmed effective vapor retarder pre-installed underneath that meets the requirements of ASTM E1745. If not, then use a moisture mitigation system that conforms to ASTM F3010. This system must be applied following the manufacturer's written instructions.

Sustainability Certification

wineo PURLINE

Cradle to Cradle Silver Certified™
FloorScore®
Blue Angel
GreenGuard™ Gold
M1 Certification
EPD (Environmental Product Declaration)
HPD (Health Product Declaration)
Declare
TUV Profi Cert
TVOC ≤ to 0.5 mg/m³
CDPH / EHLB
CDPH / EHLB

MI 3500

Floorscore
TVOC < 0.5mg/m³

Also complies with the threshold of:

MVV TB Annex 8 / ABG
AgBB
Belgian VOC Regulation
BREEAM Exemplary Level
Austrian Eco Label UZ 56



LEED v4

Many finishing products have the potential to contribute points to LEED v4. However, the credits can only be gained when calculating the combined performance of all the products used on a particular LEED project; therefore, no single product can guarantee you will obtain LEED v4 credits. wineo PURLINE® may contribute to the following LEED credits (points), the following is based on LEED NCv4:

v4 MRp2: Material and Resources – Construction & demolition waste management planning:
The tiles or planks reduce waste from the installation process, reducing waste in landfills.
Made from recyclable material and / or is a reusable product, reducing waste in landfills and is Cradle to Cradle Certified™

v4 MRc1: Material and Resources – Building life-cycle impact reduction:
Option 3. Building and material reuse. This product is Cradle to Cradle Certified™ and can be reused or salvaged from off-site or on-site as a percentage of the surface area.
Note: Materials contributing toward this credit may not contribute toward MRc3

v4 MRc2: Material and Resources – Building product disclosure and optimization, environmental product declarations: Option 1. Environmental product declaration (EPD) is available.

v4 MRc4: Material and Resources – Building product disclosure and optimization:

Option 1. Material ingredient reporting. Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm). Recycled content. Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation. Health Product Declaration (HPD).

v4 EQc2: Indoor Environmental Quality – Low emitting materials:

Option 1 (Flooring). General emissions evaluation. Verified third party Cradle to Cradle Certified™, GreenGuard™ Gold, FloorScore®, Blue Angel, TUV Profi Cert, and M1 certificate are available.