

General Information

Engineered for performance beyond PVC, the PURLINE® 1500 series provides long-lasting durability for the most demanding environments. Performance, award-winning design, and a variety of format options allow for consistent visual aesthetics across spaces, from patient rooms and waiting areas to classrooms and corridors. PURLINE® is made with renewable resources to reduce environmental impact while maintaining exceptional durability.



Technical/Specification Data

Composition	Heterogeneous commercial-rated floor covering constructed of the ArmorOx® Pro+, ecuran bio-based polyurethane, and FleeceTEC™ backing.
ASTM Specification Standard	F3404 Standard Specification for Heterogeneous Polyurethane Tile or Plank Flooring. F3403 Standard Specification for Heterogeneous Polyurethane Sheet Flooring.
Edge Profile	Planks and Tiles have a micro-bevel.
Plank: Wood L	7.87" x 47.24" (200mm x 1200mm); (20 planks, 51.67 ft², 38.24 lbs per case; 60 boxes, 3100.00 ft² per pallet)
Plank: Wood XL	9.84" x 59.06" (250mm x 1500mm); (12 planks, 48.44 ft², 35.85 lbs per case; 56 boxes, 2712.64 ft² per pallet)
Tile: Graphic XL Stone XL Textile XL	19.69" x 39.37" (500mm x 1000mm); (10 tiles, 53.82 ft², 39.83 lbs per case; 54 boxes, 2906.00 ft² per pallet)
Tile: Fusion XL	19.69" x 39.37" (500mm x 1000mm); (10 tiles, 53.82 ft², 39.83 lbs per case; 50 boxes, 2691.00 ft² per pallet)
Sheet: Chip Fusion Wood	6.56' x 65.62' (2m x 20m); (430.56 ft², 318.61 lbs per roll; 6 rolls, 2583.36 ft² per pallet)
Thickness	2.5mm
Limited Warranty	15 years

Performance	Test Method	Requirement	Result
Flammability	ASTM E648	>0.45 w/cm² for Class 1	Class 1
Smoke density	ASTM E662	≤ 450	≤ 450 Pass
Surface burning	CAN/ULC S102.2	FS 150/SD 300	Meets and exceeds requirement
Fungi growth	ASTM G21	None	No growth
Static load	ASTM F970	None	0.001" (250 lbs) < 0.005" (1450 lbs) residual indentation
Color stability – heat	ASTM F1514	Δ (Delta) E ≥8	Δ (Delta) E < 0.3
Color stability – light	ASTM F1515	Δ (Delta) E ≥8	Δ (Delta) E < 0.7
Dimensional stability	ASTM F2199	None	< 0.2%
Chemical resistance	ASTM F925	None	Exceeds standard specifications
Squareness deviation	ASTM F2421	None	≤ 0.004" (planks and tiles)
Adhesive	Moisture Limits	Application Method	Size/Coverage
Purfix UltraTech	≤ 95% RH*/** pH 12	1/16" x 1/16" x 1/16" Flat V-Notched Trowel	4 Gallon Pail Coverage Approximately: 125-145 ft²/ gallon
Purfix UltraTape	No moisture or pH testing required	Double-Sided Self- Adhesive	Width 29.53" (75cm); Length 98.43 lin. ft. (30m) Coverage: 242.18 ft² (22.5 m²)

*Always check the expiration date before using. **Concrete moisture testing must be performed in accordance with the latest version of ASTM F2170 with levels not to exceed 95% RH. Do not use if pH levels exceed 12.

PURLINE[®]

by windmöller

PURLINE Flooring is a bio-based polyurethane flooring that requires specific installation parameters that may differ from vinyl, rubber, linoleum, and other types of resilient floor coverings. Failure to follow all current installation guidelines and other applicable technical documents may result in unintended installation related issues, such as failure, and may void the product warranty. Utilizing a manufacturer's recommended flooring contractor and/or manufacturer's certified installer offers the greatest chances of getting quality workmanship and optimum performance from the flooring product. Workmanship of installation is not covered by the manufacturer's product warranty. Contact customer service or technical support for the current Installation, Cleaning, and Warranty documents.

Windmoeller recommends installing and maintaining proper entrance systems or walk off mats at all outdoor entrances. This will improve indoor air quality, reduce cleaning and maintenance costs, and ensure the technical life of the flooring material.

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.

LEED v4/4.1 Contribution

Many finishing products have the potential to contribute points to LEED v4/4.1. 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 v4/4.1 credits. PURLINE Flooring may contribute to the following LEED credits (points), the following is based on LEED NCv4/4.1:

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 Silver Certified™.

v4 MRc1: Material and Resources – Building life-cycle impact reduction: Option 3. Building and material reuse. This product is Cradle to Cradle Silver Certified™ and can be reused or salvaged from offsite 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. Health Product Declaration (HPD).

v4 EQc2: Indoor Environmental Quality – Low emitting materials: Option 1 (Flooring). General emissions evaluation. Verified third party Cradle to Cradle Silver Certified™, GreenGuard™ Gold, FloorScore®, Blue Angel, TUV Profi Cert, AgBB, and M1 certificates are available.

Sustainability Certifications

Cradle to Cradle Silver Certified™

FloorScore®

Blue Angel

GreenGuard™ Gold

M1 Certification

Environmental Product Declaration (EPD)

Health Product Declaration (HPD)

Declare

TUV Profi Cert

TVOC ≤ to 0.5 mg/m³

CDPH/EHLB

CA 01350



Declare.



Also complies with the threshold of:

MVV TB Annex 8/ ABG

AgBB

Belgian VOC Regulation

BREEAM Wxemplary Level

Austrian Eco Label UZ 56