

### General Information

PURLINE Flooring was developed to deliver unbeatable performance in the most demanding commercial environments.

The PUR difference is the durability and strength of *ecuran* polyurethane for a flooring solution that is resistant to wear, staining, and indentation.

PURLINE will not negatively impact human health, indoor air quality, energy consumption, or facilities cost of ownership.



### Technical/Specification Data

Composition	Heterogeneous commercial-rated floor covering constructed of the ArmorOx™ Pro+ system, <i>ecuran</i> bio-based polyurethane, and FleeceTEC™ system 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 have a V4 bevel; Tiles have a micro-bevel
Wood XS Plank	3.94" x 23.62" (100 mm x 600 mm); (28 planks, 18.08 ft <sup>2</sup> , 13.38 lbs per case; 144 boxes, 2604.01 ft <sup>2</sup> per pallet)
Wood L Plank	7.87" x 47.24" (200 mm x 1200 mm); (20 planks, 51.67 ft <sup>2</sup> , 38.24 lbs per case; 48 boxes, 2480.00 ft <sup>2</sup> per pallet)
Wood XL Plank	9.84" x 59.06" (250 mm x 1500 mm); (12 planks, 48.44 ft <sup>2</sup> , 35.85 lbs per case; 52 boxes, 2518.76 ft <sup>2</sup> per pallet)
Stone XL Tile	19.69" x 39.37" (500 mm x 1000 mm); (10 tiles, 53.82 ft <sup>2</sup> , 39.83 lbs. per case; 50 boxes, 2690.98 ft <sup>2</sup> per pallet)
Sheet	6.56' x 65.62' (2 m x 20 m); (430.56 ft <sup>2</sup> , 318.61 lbs. per roll; 12 rolls, 5166.72 ft <sup>2</sup> per pallet)
Thickness	2.5 mm
Limited Warranty	15 years

Performance	Test Method	Requirement	Result
Flammability	ASTM E648	>0.45 w/cm <sup>2</sup> for Class 1	Class 1
Smoke density	ASTM E662	≤ 450	≤ 450 Pass
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	Coverage
Purfix Bioset	≤ 99% RH*/** pH 7-12	1/16" x 1/16" x 1/16" Flat V-Notched Trowel	Approx. 100 -120 sq. ft./ gallon
Purfix UltraTech	≤ 95% RH*/*** pH 12	1/16" x 1/16" x 1/16" Flat V-Notched Trowel	Approx. 125 -145 sq. ft./ gallon

\*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 99% RH (sheet goods not to exceed 90%) pH levels should be between 7 and 12. When intended for renovation projects and concrete slabs older than 2 years, levels must not exceed 92% RH when tested in accordance with ASTM F2170 or 8 lbs per 1,000 ft<sup>2</sup> in 24 hours when tested in accordance with the latest version of ASTM F1869 pH level should be between 7 and 10. \*\*\*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® FLOORING REINVENTED

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/m<sup>3</sup>

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

### Purfix Bioset Adhesive

Green Label Plus™

