

# Purfix

## UltraTech Adhesive

### TECHNICAL/SPECIFICATION DATA

Purfix UltraTech Adhesive is a superior-performance adhesive that is specifically formulated for installation of PURLINE bio-based polyurethane flooring and other approved flooring products. UltraTech performs well under rolling loads, resists indentation, and develops a strong, durable, moisture-resistant, and alkali-resistant bond. Its low volatile organic content makes it ideal for use in both residential and commercial applications. It may be used over properly prepared concrete or APA-grade plywood as well as over floors using radiant heat.



CHEMICAL & PHYSICAL PROPERTIES		
Use Environment	Offices/Light Commercial	YES
	Residential	YES
	Hospital/Healthcare	YES
	Heavy Commercial	YES
	Exterior	NO
	Wet Areas	NO
Substrates	Concrete	YES
	APA- Grade Plywood	YES
	Well-bonded resilient flooring**	YES
	Terrazzo	YES
	OSB Underlayment	NO
	Prepared Metal	NO
	Asphalt	NO
Flooring Types*	Bio-Based Polyurethane	YES
	LVT or LVP	YES
	Sheet Vinyl	YES
	VCT	YES
	Carpet Tiles (PVC-backed tiles only)	YES
	PVC Backings	YES
	Olefin-back Vinyl	YES
	Cork	YES
	Rubber	YES
	Linoleum	NO

Cured Physical Properties	Full return to service	72 hrs.
	Rolling Load Capacity	Heavy
	Slab Moisture Limits	95% RH
	pH Resistance	12.0 pH
Uncured Physical Properties	Ease of Troweling	Extremely Easy
	Odor	Slight
	Required Flash Time	10– 15 minutes
	Working Time	15 – 30 minutes
	Color	White
	Density (lbs./gallon)	Approx. 10.4
Chemical Properties	Freeze/Thaw	Do not freeze
	Chemistry Type	Acrylic
	Adhesive Type	Hard-set/Wet set
	VOC***	<50 g/L
	Plasticizer Resistant	YES
	Solvent Free	YES
	Flash Point	>2120F (1000C)
* All flooring types must be approved by Windmoeller Inc. prior to installation with the exception of bio-based polyurethane.		
** Single layer non-cushioned		
*** As calculated per SCAQMD Rule 1168		

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### APPLICATION & USE

Purfix UltraTech may be used for bonding bio-based polyurethane (sheet, tiles, or planks), and other approved resilient flooring products in residential or commercial applications. It may be used over properly prepared concrete or APA-grade plywood as well as radiant heat. Email [info@windmoellerinc.com](mailto:info@windmoellerinc.com) for product installation guidelines.

### MOISTURE & ALKALI RESISTANCE

Purfix UltraTech is resistant to high moisture vapor and alkaline conditions. Always measure the in-situ RH of concrete substrates in accordance with ASTM F2170 and test the pH of the substrate. Purfix UltraTech may be used on concrete with elevated moisture up to 95% RH and 7- 12.0 pH.

### DIRECTIONS FOR USE

Always read and understand the manufacturer's recommended installation instructions completely before beginning installation. Follow the appropriate industry standards, including ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring. Resilient flooring materials can have vastly different substrate preparation and installation requirements that are essential to a successful installation regardless of flooring material. Therefore, always perform an adhesive bond test to be certain a proper/satisfactory bond is achieved prior to using this adhesive.

### TROWEL RECOMMENDATIONS

1/16" X 1/16" X 1/16" Flat V-Notch

Coverage: 125 – 145 ft<sup>2</sup>/gallon



### LIMITATIONS

This product is for interior installations only. • Do not use this product where excessive moisture and alkalinity exceed limitations stated here. • Test all concrete slabs for moisture per ASTM F2170 to determine RH. For slabs exceeding 95% RH or the floor covering manufacturer's moisture vapor limit do not proceed with the installation until rectified. • Purfix UltraTech is not designed for use under linoleum flooring. • Do not use this product when the substrate temperature is below 65°F (18°C) or above 80°F (26°C) or when the ambient relative humidity is less than 30% or exceeds 80%. • Do not use when moisture vapor emission rate (MVER) exceeds 12 lbs. per 1,000 ft<sup>2</sup> (5.44 kg per 92.9 m<sup>2</sup>) per 24 hours when using the anhydrous calcium chloride test (ASTM F1869). Do not use unless the surface temperature of the substrate is at least 10°F above the dew point. Do not use on wet, dusty, contaminated, or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds; do not use in areas subject to hydrostatic head. • Resilient flooring is available in a wide range of variations with several different backings; it is critical that a bond test is done prior to actual installation. • Do not use on substrates that have been chemically cleaned or over treated plywood. • Do not use over asphalt-based (cutback) adhesive residues.

### PACKAGING

Purfix UltraTech is available in 4-gallon pails (48 pails per pallet).

### COVERAGE

Ensure proper adhesive coverage. Most resilient flooring types require >95% transfer. See flooring manufacturer's recommended trowel sizes to ensure proper bond while maximizing coverage of adhesive.

### SHELF LIFE

Shelf life is one year from date of manufacturing in unopened, original packaging when stored at temperatures between 65°F (18°C) and 80°F (26°C). If you have expired adhesive contact the supplier for further instructions.