

SPECIFICATIONS

FOR PLYNYL[®] TILE BRAND FLOORING PRODUCTS - BioFelt[™]

SPECIFICATIONS

Style	Ikat, Rib Weave, Basketweave, Lounge, Boucle:
Fiber Content	Face: 80% vinyl / 20% fiberglass. Backing: polyurethane & polyester
Size	18" x 18" (45.7 cm x 45.7 cm)
Thickness	0.18 inch (4.60mm) +/-
Weight	Basketweave / Rib Weave: 9.50 oz/sf (2.90 kg/m ²); All other weaves: 8.50 oz/sf (2.6 kg/m ²)

TESTS CONDUCTED

COLORFASTNESS	RESULT	Criteria/Specifications
Light AATCC 16E (40 AFU)	5	Exceeds Industry Recommendations
NO2 AATCC 129 (2 cycles)	4.5	Exceeds Industry Recommendations
Ozone AATCC 164 (2 cycles)	4.5	Exceeds Industry Recommendations

FLAMMABILITY	RESULT	Criteria/Specifications
CSPC FF 1-70 (Methanine Pill)	8 of 8	7 of 8 must pass
ASTM E648 Critical Radiant Flux	0.84 watts/sq cm	Class I: Critical Radiant Flux of 0.45 watts/sq cm or higher
ASTM E662 Optical Smoke Density: Flaming Dmc	<350	less than 450

WEAR/PERFORMANCE	RESULT	Criteria/Specifications
Contract Walker 20,000 Steps (PAR)	5	Excellent Traffic Resistance
ASTM D5252Hexapod Walker 12,000 cyc	5	Heavy Commercial Traffic Rating
ASTM 2199 Dimensional Stability	+0.009"	Less than 0.020" per 12"
AACHEN (tiles)	Less than 0.1% Change	
ASTM F925 Resistance To Chemicals	No Effect	Excellent Chemical Resistance
Stain Resistance*	4 minimum rating	Excellent Stain Resistance
Resistance to Soiling/Cleaning	5 & 5	Excellent Resistance to Soiling
ASTM C1028 Slip Resistance	0.72	Exceeds ADA Recommendations
Phillips Roll Chair 10,000 cycles	5	Resists Rolling Traffic
Impact Sound transmission ASTM E2179-01	Delta IIC=25	Excellent Sound Resistance
Compression and Recovery	98.10% after 96 hours	Excellent Recovery Characteristics

RECYCLABILITY

Plynyl tiles with BioFelt have 82% pre- and post-recycled and renewable content in the backing, and can be installed with VELCRO[®] Brand Hook Squares.

ANTIMICROBIAL PROPERTIES

Plynyl has been tested according to AATCC method 174 parts I, II, and III. Testing was performed and results compared to minimum requirements listed for anti-microbial carpeting as listed by the General Services Administration. Results indicate that Plynyl exceeds all listed minimums from the GSA technical bulletin as required for terming floor covering anti-microbial. All Chilewich Contract products contain Microban. Microban antimicrobial protection works continuously for the lifetime of the product to inhibit growth of stain and odor-causing bacteria, mold and mildew.

* All staining agents and results on file at the manufacturing facility.

Please note: Individual test results are maintained at the manufacturing facility and are available if required. All tests listed above were performed by a certified independent laboratory.