

**Application: Laminate/Hardwood & Luxury Vinyl/WPC/SPC
+ Ceramic/Porcelain Tile**

LPFlooringProducts.com

ACI-125™ Acoustical Crack Isolation Membrane

GUARANTEED
To Retain Its Thickness
And Never Crush

Business Office Senior Living Campus Housing



- Luxury Vinyl/WPC/SPC with Attached Back
- Laminate
- Engineered and Solid Hardwood Flooring
- Ceramic and Porcelain Tile

PRODUCT OVERVIEW

ACI-125™ is an acoustical crack isolation membrane that features extreme density for unmatched support under today's popular ceramic and porcelain tile. Its pliable rubber composition allows movement to reduce stress transmission from the concrete slab to the tile installation – helping prevent tiles from cracking. ACI-125 protects against horizontal, in-plane, slab substrate cracks up to 1/8" and helps reduce sound transference between floors while retaining acoustic properties over time. It also includes Fresh Dimension® antimicrobial that works to inhibit the growth of mold, mildew, and odor-causing bacteria. Recommended by the Radiant Professionals Alliance as an excellent choice for use over in-floor heating.

SPECIFICATION DATA

Item no.	BM0087	BM0088
Density	66 lbs/ft ³ or 42 oz/yd ²	66 lbs/ft ³ or 42 oz/yd ²
Thickness	0.051" (1.30 mm)	0.051" (1.30 mm)
Dimensions	36" x 33.33'	54" x 44.44'
Ft ² /roll	100	200
Roll weight	28 lbs.	56 lbs.
Color	Tan	Tan
R-value	0.02	0.02
IFD @ 25%/65%	677.2 lbs/5,000+ lbs	677.2 lbs/5,000+ lbs
Permeance	2.329 ASTM E96*	2.329 ASTM E96*
Water vapor emission	0.511 lbs/1000 ft ² / 24 hr ASTM E96	0.511 lbs/1000 ft ² / 24 hr ASTM E96
Castor durability test	Passes 25,000 Cycles**	Passes 25,000 Cycles**
Material content	Made of high-density synthetic rubber	
Indoor air quality	Passes California Section 01350 for low VOC emissions	

ACOUSTICAL PROPERTIES (ASTM E492, ASTM E413, ASTM E2179)

Impact Insulation Class (IIC)	73
HIIC	88
ΔIIC	22
Sound Transmission Class (STC)	64

PROTECTION

Indoor air quality	Passes California Section 01350 for low VOC emissions
Antimicrobial	Fresh Dimension®

* Conduct moisture tests in accordance with flooring manufacturer installation guidelines and requirements
** Passes Castor Durability Test for 25,000 cycles when tested under minimum of 3 mm double-glued luxury vinyl plank and minimum 3.2 mm floating-click

PERFORMANCE PROPERTIES (tested w/ceramic tile)

Standard	Test	Subfloor	Installation***	Tile	Cycles	Description of Requirement	Result
ANSI A118.12	System Crack Resistance	-	-	-	-	>0.125 (1/8") for High Performance	Pass
1 ASTM C627-18	Robinson Test	Concrete	Thin-set	Ceramic	1-12	Heavy Commercial, Light Commercial, Residential	Pass
2 ASTM C627-18	Robinson Test		Multipurpose Adhesive	Ceramic	1-6	Light Commercial, Residential	Pass
3 ASTM C627-18	Robinson Test		Spray-Lock Adhesive	Ceramic	1-6	Light Commercial, Residential	Pass
4 ASTM C627-18	Robinson Test		Pressure-sensitive Adhesive	Ceramic	1-3	Residential	Pass
5 ASTM C627-18	Robinson Test	15/32" Plywood Over 23/32" Tongue and Groove Plywood Over 16" On Center Joist	Thin-set	Porcelain	1-6	Light Commercial, Residential	Pass
6 ASTM C627-18	Robinson Test		Multipurpose Adhesive	Porcelain	1-12	Heavy Commercial, Light Commercial, Residential	Pass



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