

TRAXXSHIELD 100

ROLLED MOISTURE BARRIER™

TYPICAL PERFORMANCE PROPERTIES – TraxxShield100™

***Provides moisture vapor suppression on concrete floors up to 100% Relative Humidity (based on ASTM F-2170).**

***This is a 2-ply rolled membrane of a polyester top-layer bonded to a rubberized copolymer adhesive bottom-layer.**

ARCHITECTURAL SPECIFICATIONS:

Refer to the Smart Building Index - CMD Group for manufacturer specifications and spec data sheets.

Specify in Division 9 (Finishes), Section 09 61 00 (Flooring Treatment)

ROLL SIZE	3 FT. X 66.6 FT. (200 SQ. FT.)
MINIMUM BASIC WEIGHT	27.1 LB. PER 100 SQ. FT.
MINIMUM THICKNESS	42 MIL
PERMEANCE PER ASTM E96	<0.05 perm (grain h⁻¹ ft⁻² in Hg⁻¹)
MAXIMUM PH ALLOWED	14
MOLD & FUNGAL RESISTANCE PER ASTM D3273	— NO GROWTH
VOC CONTENT	-0-%
APPLICATION TEMPERATURE	65° TO 95° (F)
FIRE TEST DATA	
- Flame Spread per ASTM E648	0.82 W/cm², Exceeds Class I
- Smoke Density per ASTM E662	<450, Exceeds Standard
STATIC LOAD LIMIT PER ASTM F970	Meets VCT/LVP Manuf. Specs

IMPORTANT: Install only with TraxxShield™ Seam Tape in order to support the moisture suppression system along the seams.

TraxxShield™ Seam Tape is 2-inches wide x 165-feet long.

Store seam tape indoors in a dry area at 60° – 80° (F). Shelf life is 1 year.

TraxxShield100™ is patent-protected. For additional technical information, call 909-623-8032.

TYPICAL PERFORMANCE PROPERTIES – TraxxShield100™ – Cont.

ACOUSTICAL PROPERTIES – SOUND REDUCTION RATINGS

ASTM TEST	Type	LUXURY VINYL TILE	
		No Suspended Ceiling	With Suspended Ceiling
ASTM E 90-04	STC	53	66
ASTM E 492-09	IIC	52	70
ASTM E 2179-03	Delta IIC	21	

Note: The Uniform Building Code Standards mandate minimums of 50 STC/ 50 IIC with No Suspended Ceiling. Therefore, TraxxShield100™ qualifies as an acoustical underlayment in the flooring system specification.

ANTI-FRACTURE PROPERTIES IN CERAMIC TILE INSTALLATION

Cracks occurring in the concrete slab can cause cracks in the ceramic tile layer. This is referred to as “reflective cracking”. These reflective cracks can be avoided by installing TraxxShield100™ in conjunction with fortified thin-set. TraxxShield100™ has the flexibility and strength to bridge horizontal cracks up to 3/8" without transferring stress load to the finished tile topping. TraxxShield100™ has been tested and achieved an ‘Extra Heavy’ rating in the Robinson Floor Test – ASTM C627. Approved for commercial installations.

Note: Robinson Floor Test (ASTM C627) conducted with 12 x 12 Porcelain Tile, TraxxShield100 Primer, TraxxShield100 Rolled Underlayment, Laticrete 254 Mortar, and Laticrete 1500 Grout over Concrete in 28-day Cure.

CRACK SUPPRESSION PROPERTIES IN NEW CONCRETE SLABS

As a newly poured concrete slab is curing, the tendency for cracking accelerates as each day passes. At the 28-day mark, the slab is ready to go. But, RH levels are still high at 97%–98%–99%. Further drying may aggravate and propagate additional cracking.

The Crack Suppression properties of the rubberized copolymer backing of TraxxShield100™ can be utilized to control the expansion and contraction of shrinkage cracks during this time. After installing TraxxShield100™, the slab will continue to slowly “gas off” at the perimeter, RH levels will equilibrate, and cracking will be minimized from the slab through the flooring system.

TraxxShield100™ achieved a ‘High Performance’ rating per ANSI A118.12 Test Designation 5.4 System Crack Resistance Test.

