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.
A typical performance properties – TraxxShield100™ – Cont.

**Acoustical Properties – Sound Reduction Ratings**

<table>
<thead>
<tr>
<th>ASTM TEST</th>
<th>Type</th>
<th>No Suspended Ceiling</th>
<th>With Suspended Ceiling</th>
</tr>
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<tbody>
<tr>
<td>ASTM E 90-04</td>
<td>STC</td>
<td>53</td>
<td>66</td>
</tr>
<tr>
<td>ASTM E 492-09</td>
<td>IIC</td>
<td>52</td>
<td>70</td>
</tr>
<tr>
<td>ASTM E 2179-03</td>
<td>Delta IIC</td>
<td>21</td>
<td></td>
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</tbody>
</table>

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.