

LONWOOD PERFORMA

LONSEAL

DIVISION

09 65 00 Resilient Sheet Vinyl

Product Description

LONWOOD PERFORMA is designed for interior use in high-volume foot traffic and high-impact athletic and aerobic applications. With its substantial foam layer it provides an exceptional anti-fatigue flooring option.

Applications

Excellent for interior, retail, commercial, or institutional use where design parameters call for a high-performance, sophisticated flooring solution.

Suitable Substrates

Subject to Lonseal's Technical Manual for Interior Flooring Products - Concrete (all grade levels), underlayment grade plywood, metal, and terrazzo.

Composition

Constructed in multiple layers with smooth wear surfaces, LONWOOD PERFORMA is a resilient sheet vinyl product with exceptional durability.

The co-calendared wear layer is formulated to provide optimal traction, resist wear from foot traffic and give excellent rebound.

The middle layer provides dimensional stability, impact attenuation, improved bounce, sound and shock absorbing properties and under-foot resiliency.

The backing layer provides strength and stability while enhancing the bonding strength of the adhesive.

STANDARD SIZES (nominal)

Overall thickness: 0.220" (5.6 mm)

Wear layer thickness: 0.020"
(0.5 mm)

Roll Size: 6' (1.830 m) wide x 60' (18.3 m)

Weight: 1.3 lb./sq.ft., 460 lb./roll

Colors: Two available

GREEN FEATURES

- GreenMedic™: Formulated for microbial resistance
- GreenAir™: Formulated for low VOC's
- Over 10% post-industrial recycled content
 - Contributes towards LEED MR 4.1
- Floorscore® Indoor Air Quality Certified
 - Conforms to CA Specification 01350
 - Low Emitting Materials
- Adhesives and Sealants: IEQ Credit 4.1
- Flooring Systems: IEQ Credit 4.3

TECHNICAL DATA

Applicable Standards

Type: I

Grade: I

Backing: Class C

Conforms to ASTM F1303

Coefficient of Friction (COF):

(ASTM C 1028) Wet: 0.63 Dry: 0.68

Critical Radiant Flux:

(ASTM E 648) Class 1 per NFPA Life Safety Code 101

Smoke Density:

(ASTM E 662/NFPA 258)

Abrasion Resistance:

(ASTM D 3884) Net weight loss after 1000 revolutions: 0.23%

Static Load Limit:

(ASTM F 970) – Modified
450 psi residual compression of 0.005"

Flexibility:

(ASTM F 137) Passes

Chemical Resistance:

(ASTM F 925)
NO change: 5% Ammonia, 5% Acetic Acid, 70% Isopropyl Alcohol, 5% Sodium Hydroxide, 5% Hydrochloric Acid, Mineral Oil, Bleach, Sulfuric Acid, Kerosene, Olive Oil, 5% Phenol and Gasoline

Impact Attenuation:

(ASTM F1292 & F355)

Lonwood Performa over Concrete G_{max}: 68

Lonwood Performa over Maple G_{max}: 66

Concrete Substrate G_{max}: 389

Maple Substrate G_{max}: 208

Note: Injury threshold is above 200

Basketball Rebound:

Lonwood Performa average: 51 inches

Requirement: 49-54 inches

Note: After 10 drops at 72" height

INSTALLATION

Storage: Store all surfacing materials in a clean, dry environment with unopened rolls standing on end.

Please refer to Lonseal's Technical Manual for Interior Flooring Products for detailed information.

Limitations

For indoor use only. Not for use where subject to extreme mechanical abuse or exposure to certain rubbers.

ADHESIVES and SEAM TREATMENT

No. 300 — Epoxy Adhesive
For extreme service requirements

No. 755 — Acrylic Adhesive
For all porous and non-porous applications.

Lonseal Double-Face Tape Under seams

Lonsealer: Chemical seam sealer
*Seams are chemical and heat weldable

MAINTENANCE

Initial maintenance is essential for increased longevity of vinyl flooring. Ensure initial maintenance is completed 48 hours after installation.

For best results, we recommend use of Lonseal's maintenance products: Lonbuff, Loncare, Lonprime, Lonfinish, Lonsatin and Lonstrip.

15-YEAR WARRANTY

Lonseal offers a 15-year limited warranty.

TECHNICAL SERVICES

Contact the Lonseal Customer Service department for product samples, specification data and technical support at 800.832.7111.



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