

## LONWOOD PERFORMA

### 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 gymnasium, multi-purpose fitness room environments, commercial and institutional use.

### 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 for optimal traction, to resist wear from foot traffic and 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" (5.5 mm)

**Wear layer thickness:** 0.020" (0.5 mm)

**Roll Size:** 72" (1,830 mm) wide X 60' (18.28 m) long

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

**Colors:** Two Available

### TECHNICAL DATA

*Applicable Standards*

Type: I

Grade: I

Backing: Class B

Conforms to ASTM F1303

### Coefficient of Friction (COF):

(ASTM C 1028) Wet: 63 Dry: 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)

Loncourt UV over Concrete  $G_{max}$ : 68

Loncourt UV over Maple  $G_{max}$ : 66

Concrete Substrate  $G_{max}$ : 389

Maple Substrate  $G_{max}$ : 208

*Note: Injury threshold is above 200*

### Basketball Rebound:

Loncourt UV average: 51 inches

Requirement: 49-54 inches

*Note: After 10 drops at 72" height*

### GREEN FEATURES

- Over 10% post industrial recycled content
- Toward LEED (MR 4.1)
- EQ 4.1: Low VOC Adhesive
- GreenMedic™: Microbial Resistant
- GreenAir™: Low VOC's

### 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

Should not be installed outdoors or where subject to extreme mechanical abuse, such as steel wheeled carts, golf spikes or in commercial kitchens.

### ADHESIVES and SEAM TREATMENT

No. 300 – Epoxy

For extreme service requirements

No. 555A – Acrylic Adhesive

For all porous and non-porous applications.

Lonseal Double Face tape under the seams

Lonseal Vinyl Welding Thread

\*Seams should be heat welded

### 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 and Lonstrip.

### 15 YEAR WARRANTY

Lonseal offers a 15 year limited warranty. Limitations include exposure to certain rubber items.

### TECHNICAL SERVICES

Contact the Lonseal Customer Service department for product samples, specification data and Technical Support at 800-832-7111.

