

## LONMAT UV

### DIVISION

09 65 00 Resilient Sheet Vinyl

### Product Description

LONMAT UV features an innovative UV-cured urethane finish that simplifies maintenance; this durable, marbled, fire-retardant, electrically-insulating surface has been the foundation of countless naval vessels' high-voltage areas for decades.

### Applications

Deck covering where insulating properties are required.

### Composition

Constructed in multiple layers with a 100 micron thick, high-gloss clear UV cured urethane layer, applied to the surface. LONMAT UV is a resilient sheet vinyl floor that offers great high performance.

The co-calendared wear layer is formulated to provide maximum resistance to foot traffic in multiple commercial applications.

The middle layer provides dimensional stability, sound-absorbing properties, and resiliency under foot.

The backing layer provides strength and stability of the flooring and enhances the bonding strength of the adhesive.

### STANDARD SIZES (nominal)

Overall thickness: 0.125" (3.2 mm)  
Wear layer thickness: 0.051" (1.3 mm)

Roll Size: 3' (0.91 m) wide x 75' (22.9 m)  
6' (1.83 m) wide x 30' (9.14 m)

Weight: 0.9 lb/sq. ft., 250 lbs/roll  
0.9 lb/sq. ft., 200 lbs/roll

### Available Colors:

#5 Marbleized Blue  
#7 Marbleized Grey  
#8 Marbleized Beige  
#9 Marbleized Green

### TECHNICAL DATA

MIL-DTL-15562G, Type I

### Fire Resistance:

(MIL-STD 1623)  
Passes

### Dielectric Strength:

(MIL-DTL-15562)  
30,000 VAC

### Voltage:

(MIL-DTL-15562)  
15,000 VAC

### Tensile Strength:

(MIL-DTL-15562)  
Sulfuric Acid, 70% of initial  
Oxygen Bomb, 80% of initial  
Light Aging, 65% of initial

### Tensile Elongation:

(MIL-DTL-15562)  
Exceeds 75% minimum

### Permanent Set:

(MIL-DTL-15562)  
Below 25% maximum

### Abrasion:

(ASTM D 1242)  
Less than 10 mils loss

### Gloss:

(MIL-DTL-15562)  
Exceeds 60 degree gloss angle

### Hardness:

(MIL-STD 1623D)  
Passes

### Flexibility:

(MIL-STD 1623D)  
No cracking

### Dimensional Stability:

(MIL-STD 1623D)  
Passes

### 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

Not for outdoor use or where subject to extreme mechanical abuse, such as steel wheeled carts, in commercial kitchens or exposure to certain rubber.

### ADHESIVES and SEAM TREATMENT

No. 300 — Epoxy Adhesive  
For extreme service requirements

No. 400 — Contact Adhesive  
For vertical applications: coving

No. 555A — Acrylic Adhesive  
For all porous and non-porous applications.

Lonseal Double Face: tape under seams

Vinyl Welding Thread: heat weld seams

### Seamless

LONMAT UV can be heat welded to provide a seamless, waterproof deck and can be ship-coved up bulkheads for further sanitary protection and ease of cleaning. LONMAT UV can be permanently adhered to the deck or "loose laid."

### MAINTENANCE

For increased longevity of vinyl flooring, we recommend use of Lonseal's maintenance products: Loncare pH neutral cleaner and Lonbuff spray buff.

### 10 YEAR WARRANTY

Lonseal offers a 10 year limited warranty.

### TECHNICAL SERVICES

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

