

LONMAT DIAMOND

DIVISION

09 65 00 Resilient Sheet Vinyl

Product Description

LONMAT DIAMOND features a slip-resistant, fire-retardant, electrically-insulating steel-plate pattern that is perfect for high-voltage areas in moisture-prone spaces. LONMAT DIAMOND is a safety sheet vinyl that has made an impression on countless naval vessels and commercial ships.

Applications

Deck covering where insulating properties are required.

Composition

Constructed in multiple layers with a uniquely textured surface, LONMAT DIAMOND is a 3/16" thick resilient sheet vinyl that is composed of a co-calendared wear layer, middle layer and backing layer.

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: 0.190" (4.8 mm)

Wear layer thickness: 0.047" (1.2 mm)

Roll Size: 3' (0.91 m) wide x 75' (22.9 m)

Weight: 0.75 lb/sq. ft., 300 lbs/roll

Available Colors:

Solid Steel Grey

TECHNICAL DATA

MIL-DTL-15562G, Type III

Fire Resistance:

(MIL-STD 1623D)

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

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 DIAMOND 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 DIAMOND can be permanently adhered to the deck or "loose laid."

MAINTENANCE

For increased longevity of vinyl flooring, we recommend use of Lonseal's maintenance product: Loncare pH neutral cleaner.

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.

