COMX

800-536-2669

Nevamar®
Laminated Floor Tile

The practical solution for beautiful access flooring.

Nevamar has a decades long history as a leading supplier of laminated access flooring products.

Floors surfaced with Nevamar products are ideal for applications requiring cleanliness and easy access. Nevamar flooring products are tough, yet attractive and easy to clean. They're especially practical for high traffic areas such as walkways, cafeterias, and file rooms.

Nevamar laminated floor tile is available nationally and internationally through the manufacturers of quality access floor systems.

NEVAMAR®
DECORATIVE SURFACES

The practical solution for beautiful access flooring.

Great Flexibility
They're also ideal for light manufacturing applications because they provide interior flexibility for rearranging equipment as requirements arise.

Improved Energy Efficiency
Raised access flooring systems for underfloor HVAC, wire and cable management systems provide a number of cost and energy saving advantages, including:

- Reduced power, voice and data cabling
- Reduced fan energy usage
- Reduced overall energy consumption
- Reduced cooling energy consumption

High Durability
The surface of Nevamar flooring products is a special grade of high pressure laminate designed and engineered especially for access flooring applications where durability, impact resistance and ease of maintenance are crucial.

Simple Maintenance
Low traffic areas may be kept clean by damp mopping with a mild, multi-purpose ammoniated floor cleaner.

For high traffic areas or where proper cleaning has been delayed, a more aggressive cleaning solution and technique can quickly bring the floor surface back to its original appearance. (For specific instructions refer to the Maintenance Section on the back cover under Technical Information .)

Note: The floor surfaces should *never* be sealed, waxed or mechanically buffed. Also *never* flood the floor with water or cleaning agents during cleaning.

Winter Gray Matrix	Gray Matrix	Greige Matrix	Ivory Essence	Beige Starlite	Gray Starlite	White Mellowtone.2	Natural Bamboo
MR6005FT	MR6001FT	MR2002FT	ES2001FT	ST2002FT	ST6001FT	MT7002FT	WZ0018FT
(51.0%)	(33.8%)	(32.0%)	(62.7%)	(73.1%)	(73.2%)	(73.2%)	(50.1%)

Laminated Floor Tile Standard Grades

A selection of classic and contemporary designs providing aesthetic appeal with outstanding performance. All items are manufactured to order in standard grades. Most designs are also available in general purpose, high-pressure laminate sheet goods to coordinate with cabinetry or built-ins.*

Nevamar standard grade Laminated Floor Tile has low static generation, especially important for computer rooms. Tiles are manufactured to meet or exceed the requirements of ANSI (American National Standard Institute)/NEMA (National Electrical Manufacturers Association) Publication LD3-2000 for high pressure decorative plastic laminate. Also, Nevamar Laminated Floor Tile complies with NFPA (National Fire Protection Association). The installed floor should be tested according to the test procedure outlined in NFPA 99 Chapter 3-1993 Edition for Electrical Properties. Once installed, the floor's electrical properties will be affected by humidity, adhesives used, panel paint system and the overall continuity to ground.

**Due to the differences between HPL and floor tile processes, slight color pattern variations may occur*

Nevamar Laminated Floor Tiles are available in two standard grades through your access floor system manufacturer.

Grade	Thickness	Nevamar Typical Tolerance	NEMA Standards Tolerance
HDH	.118" (3 mm)	+/- .005" (+/-.12 mm)	+/- .008" (+/- .2 mm)
HDM	.059" (1.5 mm)	+/- .005" (+/-.12 mm)	+/- .005" (+/- .12 mm)

Laminated Floor Tile Conductive Grades

Nevamar Conductive Flooring Laminate has significantly lower surface and volume resistivity, thus resulting in a product tailored for application requiring rapid bleed down of static electricity charges. This type of product satisfies applications in computer rooms, clean rooms, and hospital operating rooms. The conductive components are completely encapsulated within the surface and, as such, are not a source of environmental contamination.

Nevamar Conductive Flooring is manufactured to order using the same procedures employed in the production of standard Nevamar floor tile, incorporating process changes to construction of the surface and core. The special construction of the surface sheet offers a distinctive pattern and is available in two color variations.

Gray Graphite	Beige Graphite
GA6001FT	GA2001FT
(95.0%)	(95.0%)

(Light Reflectance Value is shown in parentheses in all the samples above.)

Performance Properties

Properties	NEMA Test Method		Standard Floor Tile				Conductive Floor Tile		
		Units	NEMA Standard HDH	Nevamar HDH	NEMA Standard HDM	Nevamar HDM	NEMA Standard	Nevamar CHDH	Nevamar CHDM
Thickness			0.118" (3 mm)	0.118" (3 mm)	0.059" (1.5 mm)	0.059" (1.5 mm)		0.118" (3 mm)	0.059" (1.5 mm)
Light Resistance	3.3	Rating* Min.	SL	NE	SL	NE	N/A	NE	NE
Cleanability	3.4	Rating* Max.	20	9	20	9	N/A	12	12
Stain Resistance (Reagents 1-10)	3.4	Rating* Min.	NE	NE	NE	NE	N/A	NE	NE
Stain Resistance (Reagents 11-15)	3.4	Rating* Min.	M	NE	M	NE	N/A	NE	NE
Boiling Water Resistance	3.5	Rating* Min.	NE	NE	NE	NE	N/A	NE	NE
High Temperature Resistance	3.6	Rating* Min.	SL	NE	SL	NE	N/A	NE	NE
Linear Glass Scratch Resistance	3.7			200 Grams		200 Grams	N/A	200 Grams	200 Grams
Impact Resistance	3.8	Min. Inches	75 1900 mm	75+ 1905 mm	55 1400 mm	60+ 1524 mm	N/A N/A	75+ 1905 mm	60+ 1524 mm
Dart Impact Resistance	3.9	mm	600	750	550	650	N/A	650	650
Radiant Heat Resistance (Seconds)	3.10	Seconds Min.	200	250	150	130	N/A	200+	140+
Dimensional Change (%)	3.11	%MD Max. %CD Max.	0.30 0.70	0.26 0.69	0.50 0.90	0.42 0.67	N/A N/A	0.35 0.62	0.48 0.56
Room Temperature (Dimensional Stability)	3.12	%MD Max. %CD Max.	0.3 0.7	0.30 0.7	0.5 0.8	0.18 0.27	N/A N/A	0.15 0.28	0.20 0.24
Wear Resistance	3.13	Cycles Min.	3,000	4,000+	3,000	4,000+	N/A	4,000+	4,000+

** Rating Codes:` NE= No Effect SL= Slight Effect M=Moderate Effect Min.= Minimum Max.= Maximum MD= Machine Direction CD= Cross Direction*

Nevamar Resistance Values

The following are typical test values	Standard	Conductive
Surface to Ground Resistance NFPA 99 Chapter 3		
0.118" (3 mm) Thick Flooring Laminate	1.0×10^{6}-2.0×10^{10} Ohms	2.5×10^{4}-1.0×10^{6} Ohms
0.059" (1.5 mm) Thick Flooring Laminate	1.0×10^{6}-2.0×10^{10} Ohms	2.5×10^{4}-1.0×10^{6} Ohms
Decay Rate FTMS 4046		< 0.25 Sec.*

Note: Laminate volume resistance when tested at 500 volts at 50% R.H. and 72° F.
** Timing equipment could not measure less than 1/4 second.*

Coefficient of Friction Test

	MD-Dry	CMD-Dry	MD – Wet	CMD – Wet
Standard Floor Tile – Kinetic COF				
Average	0.51	0.50	0.40	0.41
Conductive Floor Tile – Kinetic COF				
Average	0.51	0.53	0.42	0.43

MD = Machine Direction (sled moving parallel to the sander lines)
CMD = Cross Machine Direction (sled moving perpendicular to the sander lines)

Nevamar Laminate Floor Tile Technical Information

DESCRIPTION

Interior Use — Nevamar floor tile is specially formulated, high-pressure laminate manufactured for surfacing access flooring panels. Conductive flooring should be used where permanent static dissipation properties are required.

Basic Use — It is recommended for access flooring systems where cleanliness, ease of maintenance and long wear is of major concern. Conductive laminate is recommended for control of static electricity and should be used where electric apparatus is sensitive to static electricity. Potential applications are clean rooms, hospital intensive care rooms and computer rooms, or areas where a clean and dust free environment is critical. They comply with requirements for low static generation and retention, coupled with a washable surface requiring no waxing.

Limitations — Nevamar laminated access flooring products are not recommended for exterior use. Laminate should not be bonded to plasterboard, gypsum board, plaster, concrete blocks or similar materials. The internal bond strength of the substrate and adhesive line is not sufficient for this type of application.

Composition and Materials — Nevamar laminated flooring products are manufactured to order using a specially formulated surface sheet over a melamine impregnated print pattern sheet. The core layers of phenolic impregnated kraft papers have been designed to control dimensional stability. The Conductive Grade laminate core material consists of several sheets of black conductive paper impregnated with a thermosetting resin system. The laminate composition is pressed under closely controlled pressures and temperatures. The back of the laminate composition is sanded to maintain uniform thickness and to facilitate bonding.

Standard Grades Nominal Thickness:
Grade HDH .118" (3 mm) ± .005 (.12 mm)
Grade HDM .059" (1.5 mm) ± .005 (.12 mm)

Conductive Grades Nominal Thickness:
Grade CHDH .118" (3 mm) ± .005" (.12 mm)
Grade CHDM .059" (1.5 mm) ± .005" (.12 mm)

Proper grade of product needed is dependent on the total flooring requirements. When specifying an access floor, we recommend that the floor manufacturer be contacted for proper specification.

Size Availability:
All grades may be purchased in either full size sheets 4' X 10' (1219 mm X 3048 mm) nominal, or cut to size 24" X 24" (610 mm X 610 mm) nominal.

Cutting Tolerance:
Precision Cutting ± .010" (0.25 mm)
Rough Cutting ± .032" (0.8 mm)
Diagonal within .045" (1.15 mm)

Finish: Textured, a low sheen, matte finish.

Gloss Specifications:
Nevamar Spec 6-12 (60° Gloss Meter)

Colors and Patterns:
Nevamar flooring products are offered in patterns selected to meet most design and aesthetic requirements for initial installation and future additions. The standard patterns are manufactured to comply with light reflectance values as recommended by leading computer manufacturers. Other items in the Nevamar laminate line are available as Laminated Floor Tile on a special order basis. Contact your Nevamar representative for information.

Conductive Grades flooring laminate is available in two designs only, Graphite Gray and Graphite Beige. Both colors have random patterns and thin black lines throughout the surface. The product is manufactured in textured finish and colors can vary from lot to lot.

Applicable Standards:
Material shall meet or exceed performance standards set by ANSI (American National Standards Institute) NEMA (National Electrical Manufacturers Association) Publication LD3-2005 for high-pressure decorative plastic laminate.

INSTALLATION

Suitable Subsurfaces — Nevamar laminated flooring must be bonded to substrates such as aluminum castings, fabricated steel or aluminum sections to provide the rigidity and load-bearing requirements of access flooring installations. The laminate should be bonded using professional fabricating techniques and procedures. Conductive adhesives, contact glues and thermosetting rigid-type adhesives are acceptable when following adhesive manufacturer's instructions.

Conductive laminate flooring must be properly grounded by utilizing a variety of terminals and grounding cords properly attached to the laminate and a suitable earth ground. Grounding systems should be checked periodically.

Methods — Fabrication of Nevamar floor tiles can be done generally with conventional woodworking or metalworking equipment, either hand operated or power driven. Sawing, drilling, edge-filing, sanding and routing should be done with the decorative side up to prevent cracking or chipping of the surface. Curved edges should be cut slightly oversize and finished by sanding, filing or routing for smooth edges. Carbide tipped cutting edges should be used on saws, drills and routers to produce chip free edges and to avoid frequent resharpening of tools. The product should be drilled with a wood backing to prevent "breakout" at the bottom of the drilled hole.

AVAILABILITY AND PRICING

Varies according to grade, quantity and locale. All items are manufactured to order. Nevamar representatives will quote on request.
Call 1-800-638-4380 to place your order.

MAINTENANCE

Nevamar laminate access flooring is designed for minimum maintenance. Dry mop, sweep, vacuum, or damp mop with a mild detergent as required for proper housekeeping. Stubborn stains may be removed with a non-flammable organic cleaner. Do not permit the cleaner to get into the cracks between the support panel and the laminate as it could adversely affect the bond.

Tack rugs are recommended at entrances to avoid abrasives being tracked in from adjacent areas. Do not clean floor surface with steel wool, nylon pads or abrasives of any kind, manually or with power equipment. Don't flood the floor with water or cleaning agents. Don't buff, wax, oil or polish; they are unnecessary and may interfere with the conductive properties of the laminate.

TECHNICAL SERVICES

Nevamar maintains a technical staff and trained personnel to assist you. For technical support call 800-845-4790 or write to

Nevamar
One Nevamar Place
Hampton, SC 29924

IMPORTANT NOTICE

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

NEVAMAR®
DECORATIVE SURFACES

800-638-4380 **www.nevamar.com**

© 2006 Nevamar® is a registered trademark of Panolam Industries
Printed in U.S.A. N0410