

Nevamar® Laminated Floor Tile

*The practical
solution for
beautiful
access flooring.*




NEVAMAR®

DECORATIVE SURFACES

As tough as they are beautiful.

www.nevamar.com
800-638-4380

A Long History Of Laminated Floor Tile Experience

Nevamar® is the largest supplier of laminated access flooring products in the country.



Floors surfaced with Nevamar® products are ideal for applications which require 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. They are available nationally and internationally through quality access floor system manufacturers.

PERFORMANCE PROPERTIES

PROPERTIES	NEMA Test Method	Units	Standard Floor Tile				Conductive Floor Tile		
			NEMA Standard	HWH	NEMA Standard	HDS	NEMA Standard	CHWH	CHDS
Thickness				0.118" 3mm		0.059" 1.5mm		0.118" 3mm	0.059" 1.5mm
Light Resistance	3.3	Rating* Min.	SL	NE	SL	NE	N/A	NE	NE
Cleanability	3.4	Rating* Max.	20	8	20	8	N/A	12	12
Stain Resistance (Reagents 1-11)	3.4	Rating* Min.	NE	NE	NE	NE	N/A	NE	NE
Stain Resistance (Reagents 12-15)	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) (1905mm)	75+ 1905mm	(35) (889mm)	60+ 1524mm	N/A N/A	75+ 1905mm	60+ 1524mm
Dart Impact Resistance	3.9	Joules	(#)	0.37	(#)	0.37	N/A	0.37	0.35
Radiant Heat Resistance (Seconds)	3.10	Seconds Min.	(200)	600+	(150)	500+	N/A	600+	500+
Dimensional Change (%)	3.11	%MD Max.	(0.30)	0.32	(0.50)	0.20	N/A	0.13	0.15
		%CD Max.	(0.70)	0.52	(0.90)	0.42	N/A	0.09	0.15
Room Temperature (Dimensional Stability)	3.12	% MD Max.	(#)	0.20	(#)	0.25	N/A	0.00	0.00
		%CD Max.	(#)	0.20	(#)	0.27	N/A	0.28	0.24
Wear Resistance	3.13	Cycles Min.	3,000	4,000+	3,000	4,000+	N/A	4,000+	4,000+
Scuff Resistance	3.16	Rating* Min.	NE	NE	NE	NE	N/A	NE	NE

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

(#) Values Under Consideration
 (NEMA) Value for NEMA standard in parenthesis

Nevamar® Resistance Values:		
The following are typical test values	Standard	Conductive
Surface to Ground Resistance NFPA 99 Chapter 3 0.118" (3mm) Thick Flooring Laminate 0.059" (1.5mm) Thick Flooring Laminate	1.0 x 10 ⁶ -2.0 x 10 ¹⁰ Ohms 1.0 x 10 ⁶ -2.0 x 10 ¹⁰ Ohms	2.5 x 10 ⁴ -1.0 x 10 ⁶ Ohms 2.5 x 10 ⁴ -1.0 x 10 ⁶ Ohms
Static Decay Rate NFPA99 EIA-S41 & Mil B-81705-D	*0.006 Sec	**0.01 Sec

NOTE: Laminate volume resistance when tested at 500 volts at 50% R.H. and 72°F
 * Laminate tested at 500 volts at 50% R.H. and 72°F
 **Laminate tested at 500 volts at 12% R.H. and 72°F

Laminated Floor Tile Standard Grades

General purpose, high pressure laminate sheet goods are also available from stock on Matrix and Essence for matching cabinetry or built-ins.†

1. MR-6-5 Winter Gray Matrix (51.0%)
2. MR-1-5 Orchid Mist Matrix (44.9%)
3. MR-6-1 Gray Matrix (33.8%)
4. MR-2-2 Greige Matrix (32.0%)
5. ES-2-1 Ivory Essence (62.7%)
6. ST-2-2 Beige Starlite (73.1%)
7. ST-6-1 Gray Starlite (73.2%)
- ~~8. 52-F-31 Gray Graphite (95.0%)*~~
- ~~9. 52-F-48 Beige Graphite (95.0%)*~~
10. MT-7-1 White Mellowtone (73.2%)

Light Reflectance Value is shown in parentheses.
*Conductive Laminate

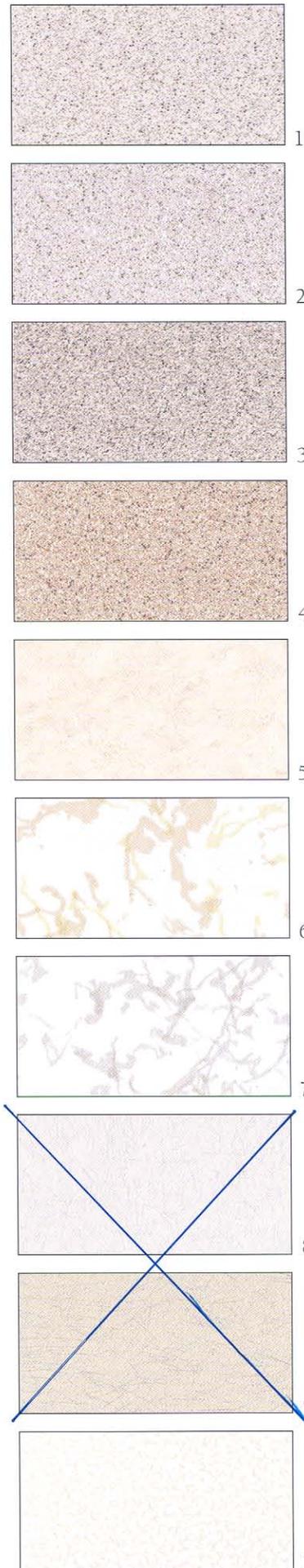
Nevamar® standard grade Laminated Floor Tile has low static generation, especially important for computer rooms, and is manufactured to meet or exceed the requirements of ANSI (American National Standard Institute)/NEMA (National Electrical Manufacturers Association) Publication LD3-1995 for high pressure decorative plastic laminate. 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.

NEVAMAR® CONDUCTIVE FLOORING LAMINATE

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 finds application in computer room, clean room, and hospital operating room flooring. The conductive components are completely encapsulated within the surface and, as such, are not a source of environmental contamination.

Nevamar® Conductive Flooring is produced by the same manufacturing procedures employed in the production of regular Nevamar® flooring, 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: 52-F-31 Gray Graphite, and 52-F-48 Beige Graphite.



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† Due to the differences between HPL and floor tile processes, slight color and 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	
HWH	.118" (3mm)	+ .005"-.005" (.13mm-.13mm)	.118"+/-.008" (3mm+/- .2mm)	
HWM**	.079" (2mm)	+ .005"-.005" (.13mm-.13mm)	.079"+/-.008" (2mm+/- .2mm)	
HDS	.059" (1.5mm)	+ .005"-.005" (.13mm-.13mm)	.059"+/-.005" (1.5mm+/- .13mm)	

**HWM is available as a made-to-order item only.

NOTE: Colors have been reproduced by high-speed printing and they will vary slightly from actual product samples.

Great Flexibility

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



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 important.

Simple Maintenance

Low traffic areas may be kept clean by damp mopping with water and 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. (Refer to the Maintenance Section on the back cover under Technical Information for specific instructions.) **Note:** The floor surfaces should *never* be sealed, waxed or mechanically buffed. Also *never* flood the floor with water or cleaning agents during cleaning.



Nevamar® Laminated Flooring Products Technical Information

DESCRIPTION

Interior Use—Nevamar® laminated flooring products are specially formulated, high-pressure laminates 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 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 are not sufficient for this type of application.

Composition and Materials—Nevamar® laminated flooring products are manufactured 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

Grade HWH

Nominal Thickness—1/8" (3.0mm)
Nominal Size 24" x 24" (610mm x 610mm)
Cutting Tolerance:
Precision Cutting +/- .010" (0.25mm)
Rough Cutting +/- .032" (0.8mm)
Diagonal-within .045" (1.15mm)

Grade HDS

Nominal Thickness—1/16" (1.5mm)
Nominal Size 24" x 24" (610mm x 610mm)

Note: All grades may be purchased in either full size sheets (i.e. 4 ft. x 8 ft.) (1219mm x 2438mm) or cut-to-size. Please contact your Nevamar® representative for further information.

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

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® laminates line are available as Laminated Floor Tile on a special order basis. Contact your Nevamar® representative for information.) Conductive Flooring Laminate is available in two surface colors, gray and beige. Both colors have a random pattern and thin black

lines throughout the surface. The product is manufactured in a textured finish and colors can vary from lot to lot.

Thickness— .059" (1.5mm)+/- .005" (.13mm) and .118 (3mm)+/- .005" (.13mm).

Size Availability—24" x 24" (610 x 610mm), 48" x 48" (1219mm x 1219mm) (nominal). Other sizes: 4' x 8' (1219mm x 2438mm) (nominal).

Gloss Specification—NEMA spec is 0-20. Contact manufacturer for exact specifications.

Finish—Textured (a low sheen, matte finish). Applicable Standards: material shall equal or exceed performance standards set by ANSI (American National Standards Institute)/NEMA (National Electrical Manufacturers Association) Publication LD3-1995 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® flooring 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. Nevamar® representatives will quote on request. Call 1-800-638-4380/ fax 410-551-0341 (Odenton facility) or 1-800-845-4793/ fax 803-943-7294 (Hampton facility) to place your order.

LIMITATION OF WARRANTY AND LIABILITY LIMITED WARRANTY:

Seller warrants that the products sold hereunder shall be of merchantable quality and shall conform in all material respects to Seller's standard specifications shown on the Specifications Sheets provided to the distributors and dealers. Buyer assumes all risk as to the results of the use of the products purchased, whether used singly or in combination with other materials or in any process.

LIMITATIONS OF CLAIMS:

At Seller's option, Seller will replace products which do not comply with the warranty without additional charge or, upon return of the products at Seller's expense, refund the purchase price.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, BASED ON ANY COURSE OF DEALING OR USAGE OF TRADE OR OF FITNESS FOR PARTICULAR USE OTHERWISE, OTHER THAN THAT STATED HEREIN OR REQUIRED BY APPLICABLE LAW. SELLER'S LIABILITY

FOR ANY LOSS OR CLAIM WHATSOEVER, INCLUDING A CLAIM FOR BREACH OF THE WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED SOLELY AND EXCLUSIVELY TO REPLACEMENT OF DEFECTIVE OR NON-CONFORMING PRODUCTS OR, AT THE ELECTION OF SELLER, TO RETURN OF THE PRODUCTS AND REPAYMENT OF THE PURCHASE PRICE. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY OTHER ACTUAL DAMAGES OR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES.

Any course of dealings between the parties to the contrary notwithstanding, Buyer is responsible for inspection of the product upon receipt and prior to any cutting or fabrication. Any claim by Buyer for breach of warranty shall be deemed waived to the extent it could have been determined by such inspection, unless presented in writing to the Seller within ten (10) days from the date of receipt of the products to which such claim relates. In all events, claims not made within two months after receipt are deemed waived.

Seller should have no liability for defects or other failures caused by failure to fabricate, install, use or maintain the products in accordance with Nevamar's instructions.

Buyer assumes all risks and liability for loss, damage or injury to the person or property of Buyer or others arising out of use or possession of any products sold hereunder. Any question concerning this warranty should be mailed to International Paper, Decorative Products Division, 304 Hoover Street North, Hampton, SC 29924.

This warranty gives you specific legal rights. Consumers for personal or household use may also have other rights, which will vary from state to state or, in Canada, from province to province. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

MAINTENANCE

Nevamar® laminated 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 or write International Paper, Decorative Products Division, 304 Hoover Street North, Hampton, SC 29924, 1-800-845-4793 or fax 803-943-7294.

IMPORTANT NOTICE

The information and statements herein are believed to be reliable but are not to be construed 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.


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