



SPECIFICATION INFORMATION

XTRA-WEAR™

HIGH WEAR LAMINATE

1. PRODUCT IDENTIFICATION

NEVAMAR® Xtra-Wear™ High Wear Laminate

2. MANUFACTURER

NEVAMAR DECORATIVE SURFACES

One Nevamar Place

Hampton, South Carolina 29924

Phone: (803) 943-7200 or (800) 638-4380

www.nevamar.com

3. PRODUCT DESCRIPTION

Basic Uses: NEVAMAR brand Xtra-Wear™ high wear laminate is manufactured for application to interior horizontal and vertical surfaces where decorative surfaces require added wear resistance due to scuffing and abrasion. Examples of surfaces where abrasive wear is a major consideration include counters and table tops in restaurants and fast food, convenience stores, and other high traffic transaction areas. Vertical applications include wall panels, laminate interior doors, partitions, and elevator cab interiors.

NEVAMAR Xtra-Wear Laminate is manufactured to provide performance superior to even our exclusive Armored Protection™ surface to help offset high exposure to scuffing and abrasion.

Limitations: NEVAMAR laminate is not recommended for exterior use or direct application to plastered walls, gypsum wallboard or concrete walls. Do not use in areas exposed to temperature in excess of 275°F (135°C). Fabrication should not be done below the temperature of 65°F (18°C).

Composition and Materials: NEVAMAR laminate is manufactured by pressing melamine resin impregnated decorative paper over layers of phenolic resin impregnated kraft paper at pressures approximating 1200 lbs. per square inch at temperatures not exceeding 300°F (148°C). The back is sanded to maintain a uniform thickness and to facilitate bonding.

Sheet Sizes: (In inches and metric)

Widths – 48" (1219mm)

Lengths – 96" (2438mm), 120" (3048mm), 144" (3658mm)

These are nominal dimensions obtainable from oversized sheets.

Thickness: HDS 0.048" (±.005"), 1.2mm (± .12)

Finishes: Available in textured finish.

Colors: Available in most solids, patterns and woodgrains in the Nevamar stockline (excluding Hallmark pearlescent designs and dark colorations). Product manufactured in Xtra-Wear high wear laminate may vary slightly in color from the stockline equivalent. Consult your local sales representative for assistance in obtaining a lab sample for appearance evaluation.

Applicable Standards: (meets performance standards of the following) ANSI (American National Standard Institute)/NEMA (National Electrical Manufacturers Association) Publication LD 3 current edition. Federal Specification LP508H, Mil Spec. P. 17171E (ships), NSF-35.

4. TECHNICAL DATA

NEVAMAR Xtra-Wear Laminate is manufactured to meet or exceed the requirements of ANSI/NEMA publication LD 3 current edition. (American National Standard Performance Standards for Fabricated High Pressure Decorative Laminate Countertops ANSI A 161 2-1998 (Sponsored by National Association of Plastic Fabricators).

5. INSTALLATION

Methods: NEVAMAR laminate should be bonded to a core material such as laminate grade plywood, particleboard, MDF, or metal using adhesives and techniques as recommended by reliable adhesive



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manufacturers and care should be taken to assure that a moisture imbalance does not exist between NEVAMAR laminate and the substrate prior to fabrication. Inside corners of cut-outs should have 1/8" (32 mm) minimum radius with edges filed smooth to prevent stress cracking.

6. AVAILABILITY AND COST

Availability: NEVAMAR Xtra-Wear laminate sheets are manufactured to order. This material can be ordered from the network of Nevamar distributors located throughout the country. Contact Nevamar or visit www.nevamar.com to locate the distributor closest to you.

Cost: Varies according to locale, quantity and pattern, however, the cost would be approximately 1.1 times the price of the selected design in standard surface laminate material. NEVAMAR sales representatives or distributors will aid in quoting local prices.

7. MAINTENANCE

Surfaces of NEVAMAR laminate may be cleaned with a damp cloth and ordinary soap or household ammoniated liquid detergent. Abrasive cleaners or cleaners containing five percent or more of chlorine bleach solution should not be used. Stubborn stains may require use of organic solvents such as alcohol, acetone, (MEK), lacquer thinner or paint solvent. (NOTE: Although these flammable solvents will not harm NEVAMAR, they will attack the contact adhesive at the glue line around the edges.) Complete care instructions available upon request.

8. LIMITATION OF WARRANTY AND LIABILITY

(a) We warrant solely to the original Buyer that the Products will be free from defects in materials and workmanship, when given normal, proper and intended usage, for a period of one year from the date of sale to the Buyer.

(b) At our expense, we agree to repair or replace at our option all defective Products not performing substantially in accordance with applicable Product specifications, provided that Buyer has given us written notice of such warranty claim within the one year warranty period. If we are unable, after reasonable efforts, to repair or replace such defective Product, Buyer's sole remedy shall be the refund of an amount not to exceed the actual payments received by us for such Product. All replaced items shall become our property.

(c) Buyer is responsible for inspection of the product upon receipt and prior to any cutting, gluing or attaching of the product to any other material ("Fabrication"). Any claim by Buyer for breach of warranty shall be deemed waived to the extent it could have been determined by such inspection and any claim by Buyer for breach of warranty shall also be deemed waived if, after the Buyer determines the existence of a possible claim, fabrication is not delayed until we have been notified and have had an opportunity to resolve it in accordance with this warranty.

(d) We shall have no obligation to make repairs, replacements or corrections which result, in whole or in part, from (i) normal wear and tear, (ii) fault or negligence of Buyer, (iii) improper or unauthorized use of the Products, (iv) use of the Products in a manner for which they were not designed, (v) modifications of the Products by anyone other than us, (vi) any act of nature, act of God, fire, casualty, flood or war, (vii) any other causes external to the Products, or (viii) use of the Products in combination with equipment or materials not supplied by us.

(e) If notified within 10 days in writing of any action (and all prior related claims) brought against Buyer based on a claim that a Product infringes any valid United States patent, copyright or trade secret, we shall defend such action at our expenses and pay all costs and damages finally awarded in such action or settlement which are attributable to such claim. We shall have sole control of the defense of any such action and all negotiations for its settlement or compromise. Buyer shall cooperate fully with us in the defense, settlement or compromise of any such action. In the event that a final injunction is obtained against Buyer's use of a Product by reason of infringement of a valid United States patent, copyright or



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trade secret, or if in our opinion any Product is likely to become the subject of a successful claim of such infringement, we may, at our option and expense, (i) procure for Buyer the rights to continue using the Product, (ii) replace or modify the Product so that it becomes non-infringing (so long as its functionality is essentially unchanged), or (iii) accept the return of the Product and refund the Buyer the purchase price therefore. We may withhold further shipments of any such Products.

(f) We shall not have any liability to Buyer to the extent that any infringement or claim thereof is based upon (i) the use of a Product in combination with equipment or materials not supplied by us where the Product would not itself be infringing, (ii) compliance with Buyer's designs, specifications or instructions, (iii) use of the Product in an application or environment for which it was not designed, (iv) modifications of the Product by anyone other than us, or (v) any claims of infringement of any patent, copyright or trade secret in which Buyer or any affiliate or customer of Buyer has an interest or license.

(g) Buyer shall not bring any suit or action against us for any reason whatsoever more than one year after the related cause of action has accrued.

EXCEPT AS STATED ABOVE, WE DISCLAIM ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, WITH RESPECT TO THE PRODUCT, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THE FOREGOING INDEMNIFICATION PROVISIONS STATE OUR ENTIRE LIABILITY WITH RESPECT TO INFRINGEMENT OR ALLEGED INFRINGEMENT OF PATENTS, COPYRIGHTS, TRADEMARKS, TRADE SECRETS AND OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS BY THE PRODUCTS.

OUR MAXIMUM LIABILITY ARISING OUT OF THE SALE OF THE PRODUCTS OR THEIR USE, WHETHER BASED UPON WARRANTY, CONTRACT, TORT OR OTHERWISE, SHALL NOT EXCEED THE ACTUAL PAYMENTS RECEIVED BY US IN CONNECTION THEREWITH. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, OR LOSS OF USE DAMAGES, ARISING HEREUNDER OR FROM THE SALE OF THE PRODUCTS.

Consumers who purchase our Products for personal or household use may have other rights, which will vary from state to state or, in Canada, from province to province. Federal law and some states law do not permit the disclaimer or modification of implied warranties for consumers, but may permit limitation of the duration of the implied warranties for consumers. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages. Therefore, the above warranty limitations may not apply to you.

9. TECHNICAL SERVICES

Nevamar maintains trained sales personnel servicing all sections of the country. Consult local telephone yellow page directory under "Plastic High Pressure Laminates" or contact Nevamar Decorative Surfaces, One Nevamar Place, Hampton, South Carolina 29924.

Phone: (803) 943-7200 or (800) 638-4380

Website: www.nevamar.com



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TABLE I		
CATEGORY	AVAILABLE FINISH	FINISH OPTIONS
Solids	Textured	
Patterns	Textured	
Woodgrains	Textured	

FINISH	GLOSS* READING	DESCRIPTION OF FINISH
Textured	5 – 20	Low sheen matte
*60° Gloss Meter		

TABLE 2 – TEST VALUES		
Test	NEMA REQUIREMENTS	TYPICAL NEVAMAR VALUES
Wear Resistance: Wear Value (cycles)	3000 min.	4000+ cycles typical
Dart Impact Resistance	500MM	700 MM
Impact Resistance: (Inches dropped)	50	66
Dimensional Change: % MD, Max. % CD, Max.	0.5% 0.9%	0.35% 0.75
Room Temp. Dimensional Stability % MD, Max. % CD, Max.	0.5% 0.8%	0.3% 0.5%
Resistance to Boiling Water	No Effect	No Effect
Resistance to High Temperature	Slight Effect	No Effect
Radiant Heat Resistance	125 sec. Min.	300 Seconds
Stain Resistance	Unaffected by reagents 1-10; moderate 11-15	Unaffected by reagents 1-15
Light Resistance	Slight Effect	No Effect
Cleanability	20 max	7 – 11