

Nevamar High Pressure Laminates

Introducing a full range of HPL products engineered with the **Vision, Value** and **Versatility** you're looking for in a high quality surfacing solution.

NEVAMAR[®]

by PANOLAM



Vision

Nevamar High Pressure Laminates are available in hundreds of colours and styles. This selection of traditional and contemporary designs offers exactly what you need to bring your unique vision to life.

Value

Nevamar laminates are made to last. Our U.S. patented, Armored Protection® (ARP) technology protects the surface so your project will look as good tomorrow as it does today.

Versatility

Nevamar laminates are manufactured for a wide range of standard and specialty applications. These include applications such as casework, fixtures and furniture. They are the ideal surfacing solution in even the most challenging environments.



The GREENGUARD Environmental Institute (GEI) is a non-profit organization that oversees the GREENGUARD certification program. The goal of the GEI is to improve public health and quality of life by helping manufacturers build better and safer products. Panolam Industries is proud to be recognized by this organization with GREENGUARD certification on many of our products.

Nevamar[®] by Panolam

Innovative design, quality manufacturing and outstanding durability has made Nevamar a respected leader in the development of high pressure laminates.

For more than 60 years, Nevamar has focused on understanding and meeting the challenges our customers face everyday for finding versatile surfacing solutions. Whether you are a designer, architect, manufacturer or contractor, we have the products you need for almost any specification. Nevamar products are ideal for case-work, fixtures, furniture, partitions and countertops.

We invite you to learn more about the range of products we offer and see exactly how Nevamar can deliver the vision, value and versatility you expect from a state-of-the-art HPL product.



Armored Protection™

Nevamar's unique, patented Armored Protection (ARP) technology stands up to more abuse than similar laminate products. The result is a decorative surface that looks new longer.

The Armored Protection surface is engineered using aluminum oxide particles blended with clear resins. Together they form a protective layer that allows objects to slide over the laminate as if they were on ball bearings.

Unlike other laminates using overlays that can cloud the design, ARP's patented process always allows the subtlety and depth of the decorative paper to show through. This dramatic clarity is never compromised by the surface protection during the serviceable life of the laminate.

Every day, Nevamar with Armored Protection proves its toughness in hospitals, hotels, restaurants, airports, retail shops and other commercial environments. This rugged performance also makes it ideal for residential installations.



**ARMORED
PROTECTION™**

Exclusively NEVAMAR

ThickLam™

The unmatched strength of ThickLam makes it the preferred choice in any installation requiring a flat, freestanding, structural panel.

Available in a range of thicknesses, its sturdy, phenolic core is laminated on both sides and ready for installation without the need for a substrate. Thicklam has a proven record of performance making it ideal for lavatory and dressing room partitions, office work stations, commercial countertops and transportation vehicles.

ThickLam is manufactured to order in any Nevamar design.



| Product Number | | D20 | D44 | D56 | D68 | D74 |
|----------------|--------------------|------|------|------|------|------|
| Thickness | mm | 3 | 6 | 13 | 19 | 25 |
| | in. | 0.12 | 0.25 | 0.50 | 0.75 | 1.00 |
| Strength | g/m ² | 4.1 | 8.7 | 18 | 26.6 | 36.5 |
| | lb/ft ² | 0.84 | 1.78 | 3.68 | 5.43 | 7.44 |

FRL[®] Fiber Reinforced Laminate

FRL is a new and innovative wall surfacing solution. Engineered and manufactured to exacting standards, FRL will not delaminate like similar products currently available. Its solid, monolithic construction provides ease of installation, job-site workability, long-lasting style and durability year-after-year.

Available in the full range of Nevamar colours and with a Class 1 fire rating, its versatility makes it the ideal choice when specifying a product for even the most challenging installations.

Typical locations for FRL panels include hospitals, schools, fast-food restaurants, department stores and high density public spaces such as airports and mass transit facilities.

High Wear Surface

Decorative Paper

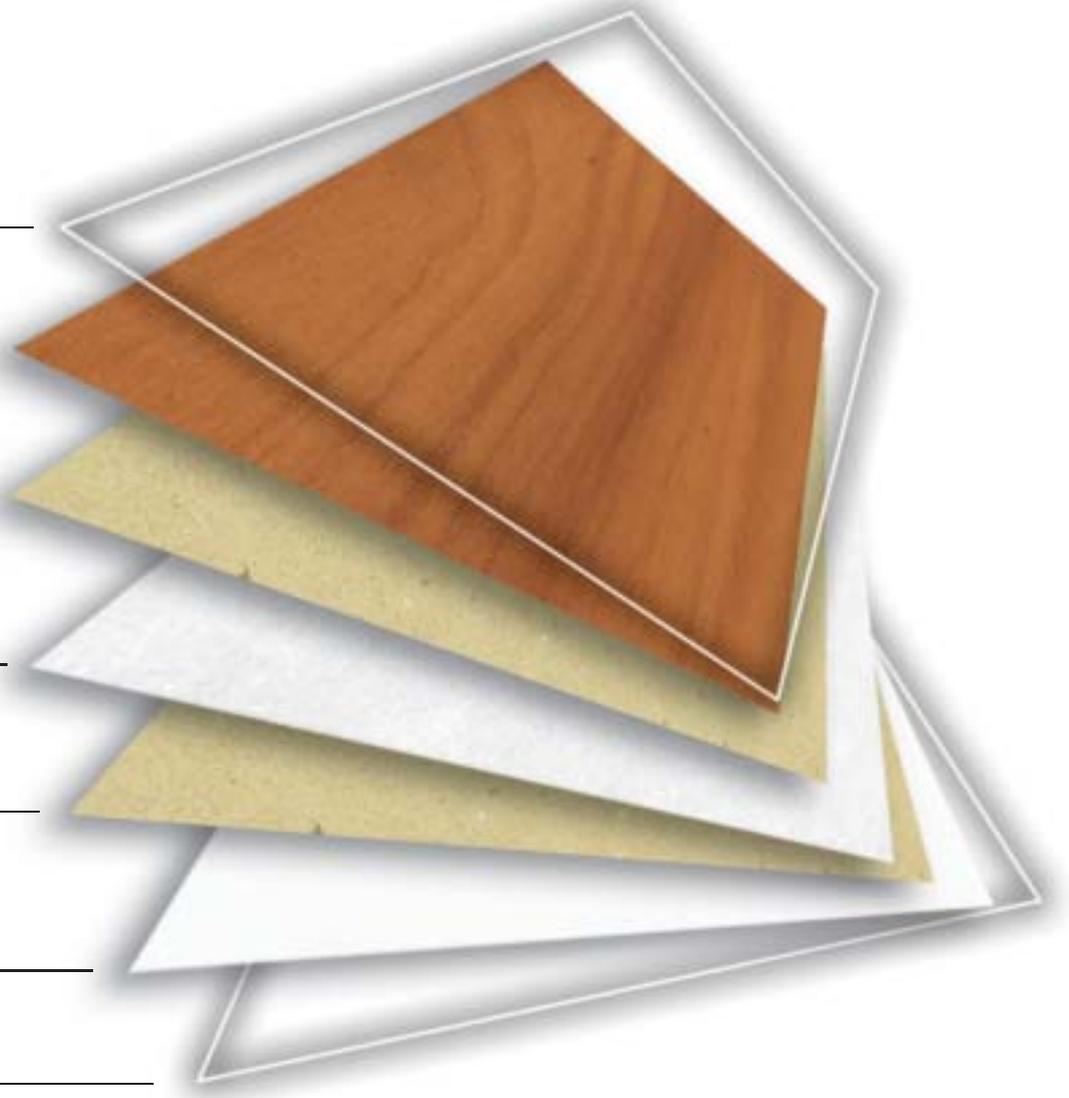
Fire Resistant Substrate

Fibre Reinforced Core

Fire Resistant Substrate

Balancing Back

Overlay



FRP

Fiberglass Reinforced Plastic

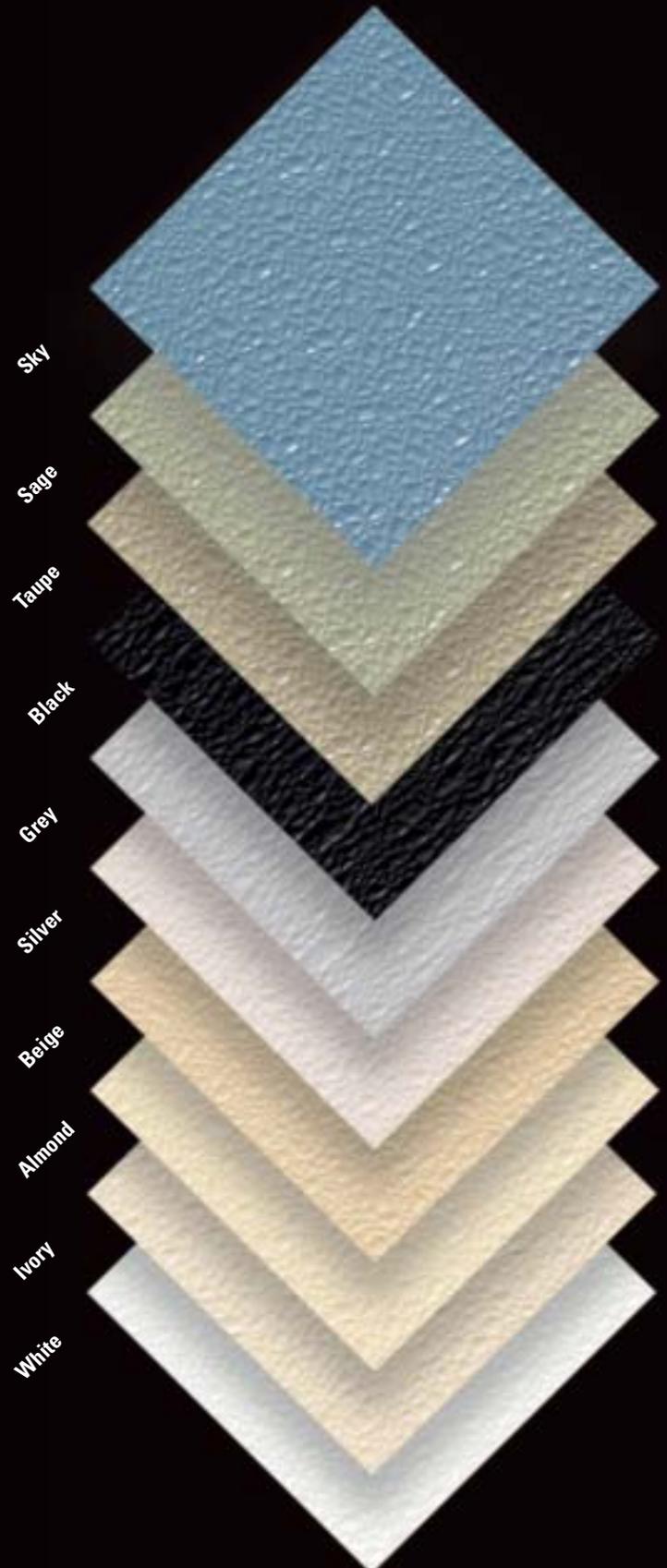
FRP is a wall and ceiling panel for high traffic commercial installations requiring durability and high sanitary standards as well as moisture, mildew and chemical resistance. This is the hardworking, easy-to-clean surface you need for utility and service areas.

FRP is available in a selection of ten colours that fit with any interior style. Engineered to last, FRP won't call attention to itself with a worn out look that can quickly appear with other surfaces. In most cases, traditional materials such as ceramic tile, stainless steel, painted drywall or concrete can't provide the durability, ease-of-maintenance and cost effectiveness offered by FRP.

Resistant to extreme changes in temperature and humidity, FRP can be installed on most common substrates and finished with readily available seam and trim materials.

Recommended locations include:

- Commercial kitchens
- Public restrooms
- Hospitals
- Schools
- Correctional facilities
- Restaurants
- Car washes
- Meat and dairy facilities
- Coolers and freezers
- Supermarkets
- Laboratories and clean rooms

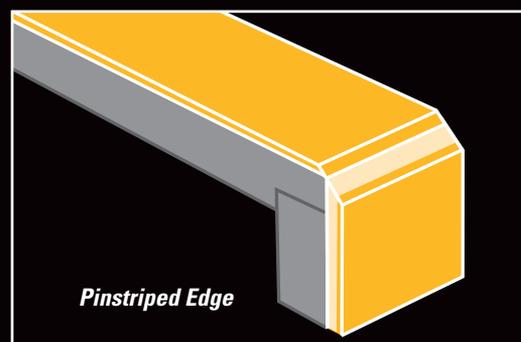
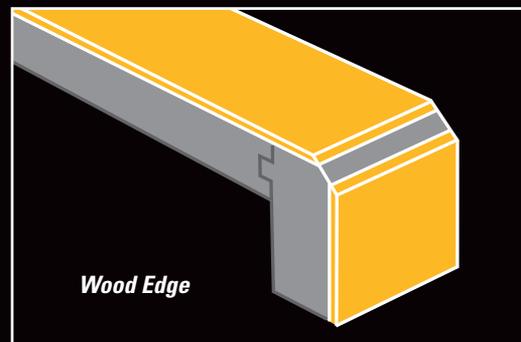
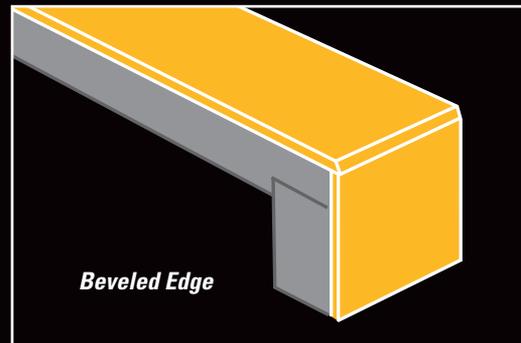
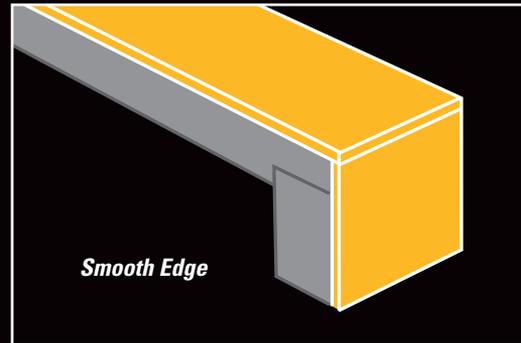


MelCor II™

MelCor II is the unique, colour-through laminate that provides continuous colour to the edges of your finished product. With MelCor II, there's no reason for disruptive, off-colour lines to interrupt a continuous smooth design.

MelCor II can assure that the edge of your product never detracts from the overall appearance. This process gives you the opportunity to expand your creative designs. MelCor II is also available in multi-toned and sandwich colours. This feature is useful for producing interesting engraving, banding and grooved design effects.

When the edge of your design is important to the overall good looks of your product, MelCor II can deliver the solution you need.



Leatherlam[®]

Leatherlam combines the luxury of a top-grain leather with the durability of a premium quality laminate. Made from 100 percent leather, it is everything you are looking for in a natural hide surface at a fraction of the cost.

Leatherlam is manufactured using a patented process*. The genuine leather is thermally fused to an engineered backing to form a long-lasting decorative surface that is ideal for a wide range of applications. The surface is easy to maintain with periodic cleanings using mild soap and water. After cleaning, there are no special conditioners needed to maintain its original beauty.

Leatherlam is easy to work with and will enable you to expand your design possibilities to products and installations where natural hides are simply not practical.

Cashmere NL050

Bordeaux NL030

Oasis NL040

Caviar NL010

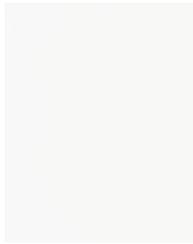
Chocolate NL020



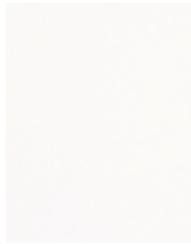
*U.S. Patent 7,745,012 B2

Nevamar Colours

Nevamar is committed to helping you achieve your creative vision by offering a choice of 170 colours and styles. This selection includes a broad palette of solids, unique abstracts and realistic woodgrains. In addition, most styles can be specified in a choice of textures to further enhance your finished design.



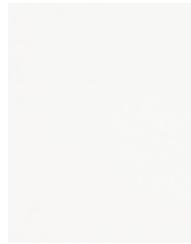
S7036 T
Precision White



S7032 T
Bone White



S7024 T
Chalk White



S7004 T
Solid White



S7027 T
Smoky White



S7040 T
Spa White



S7038 T
Mallow White



S7005 T
Antique White



S2037 T
Almond



S2085 T
English Lace



S7025 T
Neutra



S2063 T
Natural Beige



S2110 T
Basic



S6005 T
Putty



S2019 T
Beige



S2050 T
Porcelain



S6052 T
String



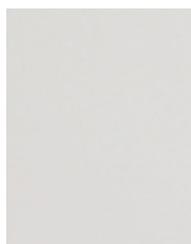
S6003 T
Dove Grey



S6023 T
Platinum Grey



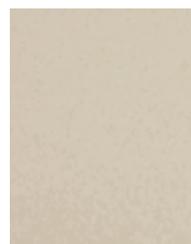
S6047 T
Sandpiper



S6037 T
Studio Grey



S6012 T
Neutral Grey



S6031 T
Fossil Grey



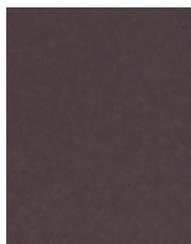
S6024 T
Cordial Grey



S6027 T
Maritime Grey



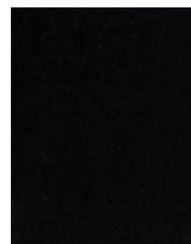
S6020 T
Gunmetal



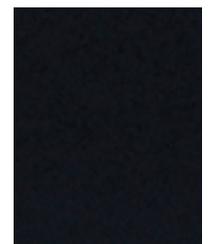
S6014 T
Black Pearl



S6054 T
Wrought Iron



S6001 T
Black



S6053 T
Jett Black



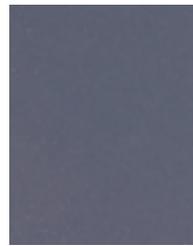
S2069 T
Bethany Beige



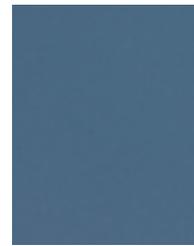
S2093 T
Sandcastle



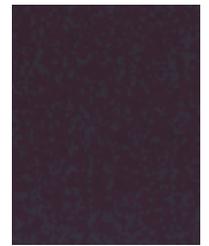
S6018 T
Chinchilla



S3023 T
Graphite Blue



S3060 T
Indigo



S6033 T
Raven



SG0003 T
Honeydo



S2084 T
Foundry



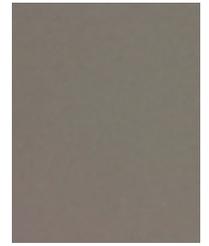
SG0002 T
Green Tea



S5054 T
Sea Moss



S2086 T
Jute



S5052 T
Woodvine



SV7090 T
Springtime



SV7040 T
Boxwood



S3048 T
Patriot Blue



S3036 T
Impressionist Blue



S3016 T
Regimental Blue



S3022 T
Deep Blue



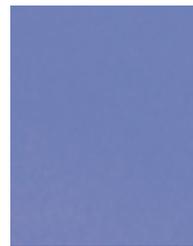
SY9130 T
Forsythia



S4023 T
California



S4022 T
Sunray



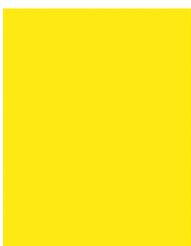
SV0001 T
Celestial



S3055 T
Violine



S1025 T
Sangaree



SY9140 T
Primary Yellow



S03120 T
Bittersweet



S1027 T
Liberty Red



S1049 T
Carmen Red



S1015 T
Burgundy



ST6040 T
Nubian Brown



WF1310 T
Vana



WF1810 T
Ice Fishin



PFA420 T
Tea Party in Boston



WZ0001 T
Shibui Woodprint



WZ0018 T
Natural Bamboo



WE2610 T
White Elm



WP1200 T
Leave Likatre



W00040 T
Straightaway Oak



WM5528 T
Vermont Maple



W8351 T
Fine Sycamore



WM8349 T
**Champagne
Sagawood**



WA0001 E
Golden Anigre



WZ0002 T
Mikado Woodprint



WM5577 E
Scandia Maple



WC2001 T
Caluna Cherry



WM8322 T
Honey Maple



WZ6001 T
**Dry Creek
Plum Tree**



WM8258 T
Beige Renaissance



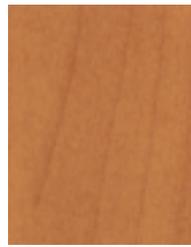
WZ2001 T
**Santa Rosa
Plum Tree**



WX0410 T
Anigre



WY1310 T
Silvio



WC4110 T
Yorkshire Cherry



WC4310 PV
Millwork Cherry



WW6010 T
Cinnamon Noce



WK0016 T
Vacation Cottage Oak



WZ0005 N
Recon Oak



W8371 T
Grand Isle Maple



WZ0003 T
Tawny Satinwood



WX0310 T
Pearwood



WC1250 T
Iwantoo Savatre



WX1100 T
Smooth Paddlin



WW0110 T
Kingsley



HP3360 T
Sunset



WC3310 PV
Victorian Cherry



WW5610 T
Spice Walnut



HP3600 T
Afternoon Showers



WD0001 T
Kentucky Kraftwood



PFA450 T
Alive in Memphis



WC1050 T
Trytoo Savatre



WC1150 T
Aimtoo Savatre



WT0004 T
Legendary Teak



WT0005 T
Luminary Teak



WP1100 T
Looks Likatré



WP1150 T
Appears Likatré



WP1250 T
Seems Likatré



WM0046 T
Illustrious Maple



WM0047 T
Iconic Maple



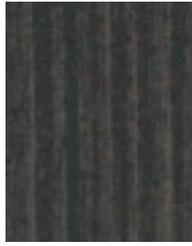
WK0017 T
Venerable Old Oak



WZ2009 T
Cutting Edge



WZ6004 T
Modern Edge



WT0003 PV
Valencia Teak



WZ2007 PV
Tendu



WW0013 N
Vantage Point Walnut



PFA480 T
Sipping Seattle Java



WX2400 T
Electo Printatré



WX2300 T
Opto Printatré



WX2500 T
Chusto Printatré



WZ1002 T
Enchanted Labyrinth



WY3510 PV
Jewel Mahogany



WZ0028 PV
Kona Blend



WZ2005 T
Mythical Labyrinth



PFA390 T
Singing the Chicago Blues



WZ3001 T
Xanadu Blue Bamboo



WZ1001 T
Red Dragon Bamboo



WZ5001 T
Extreme Green Bamboo



WZ2004 T
Kendo



WZ0045 T
Validate We Do



WZ0044 T
Valet Available



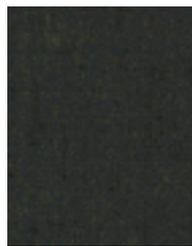
VA7002 T
Cool Chic



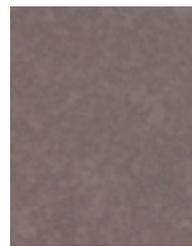
VA6001 T
Calm Distinction



VA5001 T
Serene Stardom



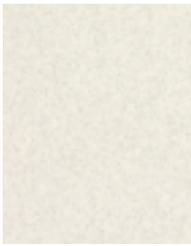
VA5002 T
Easy Elegance



ALT005 T
Wall Street Allusion



HLT004 T
Silverline Haute Link



MR7002 T
Wild Oats Matrix



MR6005 T
Winter Grey Matrix



MR6006 T
Cinder Grey Matrix



AL2001 T
Natural Allusion



MXT003 T
Silver Alu Metalx



MXT002 T
Stainless Metalx



RK7002 T
Veto Proof



VS5002 T
VOUS Serene



VS4001 T
VOUS Poire



RK6003 T
Verdicts In



VS2001 T
VOUS Fawn



AL5001 T
Herbal Allusion



RK2001 T
Classic Rock



RK4001 T
House Rock



VS8002 T
VOUS Vogue



AL8001 T
Viva! Allusion



VS8003 T
VOUS Flair



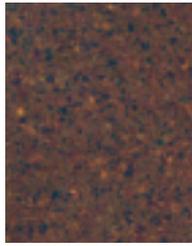
HLG002 T
Amber Green Haute Link



VS3001 T
VOUS Mod



VS6002 T
VOUS Tempest



RK2002 T
Rollin' Rock



ALV004 T
Royal Allusion



VS5001 T
VOUS Verde



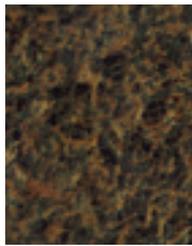
VS6001 T
VOUS Metal



ALR003 T
Red Hot Allusion



VS8001 T
Vibrant



AT4300 CV
Days End



AT4200 CV
Setting Sun



AG0410 CV
Shooting Star



AL2004 T
Café Allusion



VS2002 T
Vanilla Bean



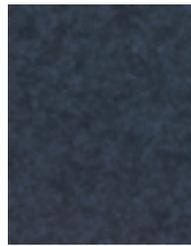
VS2003 T
Varnish



VU5001 T
Malleable Muse



VU6001 T
Adaptable Muse



AL3002 T
Dreamy Allusion



MR6002 T
Charcoal Matrix

Nevamar Technical Specifications

Technical information listed below applies to high pressure plastic laminates. See separate specification sheets for other Nevamar products. PDF files of specification sheets/technical data are also available at www.nevamar.co.uk.

Product Identification

Manufacturer: Panolam Industries
Nevamar Division
Phone: 001 203-225-0005
www.nevamar.co.uk

Suggested Short Form Architect's Specifications

Surface shall be Nevamar high pressure decorative laminates.

Product Description

GRADE: HGS (H-5), HGP (HF-4), VGP (VF-3)

FINISH: (Textured)

PATTERN: Number _____
Name _____

Material shall equal or exceed performance standards set by ANSI (American National Standards Institute)/NEMA (National Electrical Manufacturers Association) Publication LD3-2000 for high-pressure decorative laminates.

Grades and Thicknesses

General Purpose (HGS): Recommended for both horizontal and vertical applications. (1.2 mm/.048")

Horizontal Forming (HGP): Appropriate for interior horizontal surfaces where single axis radii are desired. (1.0 mm/.039")

Vertical Forming (VGP): Appropriate for interior vertical surfaces where single axis radii are desired. (.7 mm/.028")

Thicknesses are nominal $\pm .13$ mm (0.005"), ± 0.004 " for VGP.

Basic Use: Nevamar brand laminate general purpose grades are manufactured for application to interior horizontal and vertical surfaces where a decorative wear, impact and stain resistant surface is required. Horizontal applications include surfaces of counters, table tops, residential and commercial furniture, vanities, case goods, and store fixtures. Vertical applications include wall panels, laminated interior doors, bath enclosures, toilet partitions, elevator cab interiors and cabinets.

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

High gloss finishes and dark colours tend to highlight surface scratches and abrasions. The above should be considered when specifying Nevamar products.

Some products are shipped with a polyethylene film to protect product during transit and storage. All such products must be inspected for defects prior to cutting or fabrication. Failure to remove the protective film to inspect for defect prior to cutting or fabrication is at Buyer's risk.

Composition and Materials: Nevamar laminate is manufactured by pressing melamine resin impregnated decorative paper over layers of phenolic resin impregnated kraft paper under closely controlled pressures and temperatures. The back is sanded to maintain uniform thickness and to facilitate bonding.

NEVAMAR Armored Protection™ Surface

All Textured Finish™ items are produced with exclusive Armored Protection™ Surface (ARP Surface®). These laminates have all the properties of conventional laminates and they also have superior abrasion and scuff resistance due to a very thin deposit of microscopic particles of aluminum oxide on the conventional melamine layer. Armored Protection™ Surface laminates have significantly better wear value than the NEMA standard for laminates. They also offer superior resistance to scuffing and abrasion and resist gloss change during use. Therefore, Armored Protection™ Surface laminates tend to retain a "brand new" appearance during most of their

useful life. All other properties meet the normal NEMA test requirements. Consult your local Nevamar representative or distributor for a brochure which fully explains the benefits of these remarkable surfaces.

Sizes:

Widths— 762 mm (30"), 914 mm (36"),
1219 mm (48"), 1524 mm (60").
Lengths— 2438 mm (96"), 3048 mm (120"),
3658 mm (144").

These are nominal dimensions, obtainable from oversized sheets.

Installation methods: Nevamar high pressure 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 manufacturers to the requirements of ANSI/NEMA Publication LD3-2005.

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 cutouts have 3.2 mm (1/8") minimum radius edges filed smooth to prevent stress cracking.

Forming Radii: Using suitable equipment, Nevamar laminates may be hot formed* in stocked grades to the following minimum outside radius: Vertical Forming (VGP) 6.5 mm (1/4"), Horizontal Forming (HGP) 9.5 mm (3/8").

*Following normal conditions used for postforming, i.e. 163°C – 177°C (325°F – 350°F).

Maintenance: Surfaces of Nevamar laminate may be cleaned with a damp cloth and ordinary soap or household ammoniated liquid detergent. Abrasive cleaners should not be used. Stubborn stains may require use of organic solvents such as alcohol, acetone, ketone (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.

Applicable Standards: Meets performance standards of the following :
EN438-3
ANSI (American National Standards Institute)
NEMA (National Electrical Manufacturers Association) Publication LD3-2005
Federal Specifications LP 508H
Mil. Spec. P-17171E (ships)
NSF-35

Cost: Varies according to quantity, grade pattern and finish. Nevamar representatives or distributors will aid in quoting local prices.

NEVAMAR XTRA-Wear™ Surface

Nevamar XTRA-Wear Surface is produced for use where additional wear resistance, due to scuffing and abrasion, is required. It meets the NEMA requirements for a high-wear type laminate with as much as six times the wear value of conventional laminate. Suitable applications for Nevamar XTRA-Wear Surface include commercial and institutional installations, such as fast food restaurants, cafeterias, convenience stores and wherever abrasive wear is a major consideration. Available on most Nevamar designs, contact your Nevamar representative for more information and product performance data.

NEVAMAR Fire Retardant Laminates

Classification of reaction to fire performance in accordance with EN 13501-1:2007+A1:2009 as B-s1, d0 and as Class 1 when tested in accordance with BS 476: Part 7: 1997.

UL-listed Nevamar Fire Retardant Laminate is available in 1.2 mm (.048") Horizontal Grade (HGF) and .8 mm (.032") Vertical Grade (VGF). Bonded with prescribed procedures to fire retardant particleboard and backed with Nevamar FR backing, it produces a Class I fire retardant panel. When bonded to fire retardant particleboard or inorganic reinforced fire retardant cement board using Cascophen G1149-A and G1131-B hardener, Wonderbond WB 1116/WB-M-316L or Wonderbond WB-104A/WB-M-304L (BORDEN Chemical, Inc.) Nevamar Fire Retardant Laminates obtained the following classification in UL-723 or ASTM E84:

| | FR Board 9.5 mm (3/8") or greater | FR Board 19 mm (3/4") or greater | Inorganic Cement Board |
|-----------------|--|---|------------------------------|
| Flame Spread | 25 | 20 | 20 |
| Smoke Developed | 75 | 45 | 5 |

Although the values shown meet requirements of major regional and metropolitan building codes for Class I interior finish, applicable codes should be consulted before specifying Nevamar Fire Retardant Laminate to be sure these values comply. Nevamar Fire Retardant Laminates carry a Canadian and a U.S. listing (contact Nevamar for specifics on Canadian listing).

While Nevamar Fire Retardant Laminates can be used anywhere for interior surfacing, the major applications include corridors, stairwells, entries, elevators, fixtures, and cabinetry as required by code authorities. Contact us for specific information.

MelCor II® Colour-Through Laminate

Colour-through core construction; eliminates the "dark line" of standard laminates. MelCor II is intended for use in applications where the edge of laminates contributes to the aesthetics of the final product. The patented manufacturing process provides a second generation colour-through laminate that is more flexible and much less likely to ship than other colour-through laminates. MelCor II colours and their corresponding colours in standard Nevamar are not exact matches. Sample evaluation is recommended. Typical uses include high-end furniture and casework. Ideal for high-wear applications since gouges and cuts will not steadily show.

ThickLam – Thick Phenolic Core Laminate

Available in thickness up to 25.4 mm (1"). Designed for applications where the decorative surface must contribute to the structural stability of the finished assembly. Available in the following configurations: decorative both sides; decorative one side, glueable one side; glueable one side; glueable both sides. Available with black or brown edge. Typical uses include toilet and dressing room privacy partitions, tabletops, doors, work stations, wall panels and desktops.

Additional Products

In addition to the laminate products mentioned above, Nevamar also manufactures specialty grades in chemical resistance, static dissipation, raised access floor tile, as well as backing sheets and cabinet liner. Call for information.

Technical Services

Nevamar has trained sales personnel available to answer questions. Contact Nevamar Technical Service Department. Phone: 001 203-225-0005. www.nevamar.co.uk

Nevamar Finish Options

| | |
|-----------|---|
| B | <i>Leather</i> – Provides the supple beauty of aged leather. |
| CA | <i>CHEMARMOR™</i> – Chemical resistant textured finish. |
| CR | <i>Crystal</i> – Subtle dimensional surface texture with high light reflectivity. |
| E | <i>Textured</i> without Armored Protection® – Softens woodgrains, patterns and solids with a fine graining. |
| G | <i>Gloss</i> – Gloss surface. Shipped with a protective polyethylene film. |
| N | <i>High Luster</i> – Finely textured, highly reflective finish. |
| PV | <i>Polished Velvet</i> – Semi-gloss, minutely grained finish. |
| T | <i>Textured</i> with Armored Protection® – Softens woodgrains, patterns and solids with a fine graining. |
| V | <i>Velvet</i> – Smooth, finely grained finish. |
| Z | <i>Ashwood</i> – Embossed, woodgrain finish. |
| VR | <i>VRock</i> – Polished textured finish. |
| CV | <i>CounterV</i> – Combined natural and polished surface. |



Panolam Industries
20 Progress Drive
Shelton, CT 06484 USA

001 203-225-0005

www.nevamar.co.uk

