

Nevamar® Armored Protection™



Our exclusive ARP technology protects your design vision by keeping the decorative surfaces of your project looking new longer.

ARP™



**ARMORED
PROTECTION®**

Exclusively NEVAMAR®

Nevamar's unique, **patented technology**, lets ARP **stand up** to more abuse than other products while keeping the decorative surface **looking new longer**.

Only Nevamar can provide you with ARP protection!

ARP provides the ARMOR that gives casework, furniture and fixtures years of beautiful service. Introduced more than two decades ago, ARP is one of the most significant improvements in the performance of high pressure decorative laminates. Every day, Nevamar with ARP, proves its toughness in hospitals, hotels, restaurants, airports, retail shops and other commercial environments.

This rugged performance and long lasting style also makes it a great choice for residential installations.



You take pride in the aesthetic quality of your designs and want to preserve their integrity and beauty over time. That's where the high quality performance of Nevamar laminates with Armored Protection can make a significant difference.

Armored Protection works full time to keep your surfaces looking great.

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 surface as if they were on ball bearings.

Unlike other laminates using overlays that cloud the design, ARP's patented process always allows the subtlety and depth of the decorative paper to show through. This dramatic clarity isn't compromised by the surface protection during the serviceable life of the laminate.

Why Aluminum Oxide

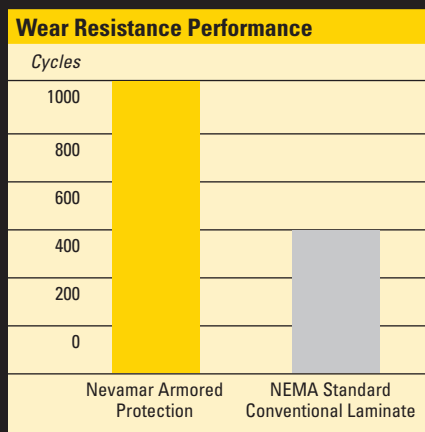
Aluminum oxide is harder than common everyday objects,

Substance	Knoop Hardness Value
Diamond	7000
Silicon Carbide	2480
Aluminum Oxide	2100
Steel Can	1570
Silica/Quartz	820
Glass	530
Iron Can	430
Aluminum Can	125

protecting laminates against the wear caused when those objects slide across the surface. Yet, aluminum oxide is softer than silicon carbide or diamond which are commonly used in making cutting tools and blades.

Armored Protection keeps laminates looking new longer in the following ways:

- It protects the laminate's color by reducing surface wear caused by common abrasive substances such as sand (silica) particles present in dirt, dust, paper bags and boxes. Standard industry wear resistance tests (NEMA LD3) show Armored Protection outlasts conventional laminates.
- It reduces gloss change (dulling and buffing).



Armored Protection gives Nevamar laminates more than twice the wear protection than standard laminates. (ANSI/NEMA LD3 test method)

Added protection during fabrication and installation.

Thanks to their superior abrasion and scuff resistance, Nevamar Armored Protection laminates go through fabrication shops with less damage and waste. Expensive furniture and fixtures are also less likely to be damaged in transit. You save time and money while maintaining high finished quality.



And, when you're done, you can be confident your designs will retain their beauty for a long time to come.

Armored Protection also beautifies as it protects. It actually enhances the clarity of the laminate design, providing a cleaner, truer look and appearance when compared to other laminates.

Only Nevamar offers Armored Protection surface.

Armored Protection laminates are a prime example of our commitment to bring you the highest quality products. We pioneered the technology. We patented it. And we've improved it over the years. Today, Armored Protection gives Nevamar laminate more than twice the wear protection than standard laminate (ANSI/NEMA LD3 test method).

For unsurpassed beauty and durability, choose Nevamar laminates with Armored Protection. Look for the Armored Protection logo. It's a symbol of our commitment to beauty that lasts.



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A note on scratches.

Many marks often perceived as "scratches" are actually scuffs. Armored Protection laminates are highly resistant to scuff damage. A true scratch, however, involves actual removal of material from the laminate surface, and is typically caused by a hard, sharp object, such as a knife or razor blade.

Armored Protection laminate is not more resistant to this type of abuse than conventional laminates. The effect would be the same on both types of laminates. (It is also important to note that on any laminate, medium to dark colors tend to highlight scratches more than lighter colors.)

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PANOLAM INDUSTRIES®
Where Design Meets innovation™

About the Armored Protection Logo



The *outer ring* represents the microscopic aluminum oxide particles. They are illustrated as the bolts that fasten armor plating.

The *core* is drawn to show a rotating effect indicating protection against motion and wear. The shapes are similar to the locking security plates of a submarine.

Together, they form a graphic “shield” that visually represents how Nevamar ARP protects our customer’s investment against wear.

Applicable Standards

Meets or exceeds the following performance standards:

NEMA (National Electrical Manufacturers Association)
Publication LD3-2000

Federal Specifications LP 508H

Mil. Spec. P-1717E (Ships)

National Sanitation Foundation (NSF #35)

U.L. Rated-R4642

U.S. Coast Guard 164.012*

Canadian Coast Guard 100/GI-87*

F.A.R. 25.853 (Airplanes)*

MVA No. 302 (Cars)

HUD #280 (Mobile Homes)

M.E.A. 240-93-M*

**Fire-rated construction*

For more information contact your local Nevamar dealer or call **800-638-4380**.

