



# Backer Sheet

HIGH PRESSURE  
LAMINATES

# Technical Bulletin

**Nevamar® Backer Sheets** are applied to the back of a substrate that is faced with a high pressure decorative laminate. With proper application, Backer Sheets will provide dimensional stability to the assembly, reducing the likelihood of warpage. Nevamar Backer Sheets are phenolic laminate that are not intended for decorative surfacing. A slight variation in color is normal and should be anticipated. Backer Sheets are available in either brown or black. Backer Sheets are normally sanded on one side, however, both sides can be sanded. Nevamar® Fire Rated Backer Sheets are also available.

## Product Description

Type	Standard Nominal Sizes		
	Thickness*	Width	Length
NB20 (in)	0.020	36, 48, 60	96, 120, 144
(mm)	0.5	914, 1219, 1524	2438, 3048, 3658
NB28 (in)	0.028	36, 48, 60	96, 120, 144
(mm)	0.7	914, 1219, 1524	2438, 3048, 3658
NB37 (in)	0.038	36, 48, 60	96, 120, 144
(mm)	1.0	914, 1219, 1524	2438, 3048, 3658
NB48 (in)	0.048	36, 48, 60	96, 120, 144
(mm)	1.2	914, 1219, 1524	2438, 3048, 3658
NB55 (in)	0.057	36, 48, 60	96, 120, 144
(mm)	1.4	914, 1219, 1524	2438, 3048, 3658

\*Other widths and thicknesses of Backer Sheets are available upon request.

## Typical Uses

Backer Sheets applied to substrates faced with Nevamar® high pressure decorative laminate impart stability and reduce the likelihood of warpage to the final product. For best results, the backer sheet thickness should be relatively equal to that of the decorative laminate on the face of the assembly. For this reason, many thicknesses of backing sheets are offered.

## Codes and Certifications

1. U.S. Federal Specification L-P-508H, "Plastic Sheet, Laminated, Decorative and Nondecorative." Nevamar Type NB20, NB28, and NB48 comply.
2. American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA), LD3-2005, "High- Pressure Decorative Laminate." Nevamar Type NB20, NB28, NB37, and NB48 comply.

## Fabrication Tips

When working with Backer Sheets, these techniques will produce a quality application.

1. Proper conditioning of the laminate, substrate, and backing sheet minimizes possible warping, shrinking, or expansion of assembled panels. Ideally, all components should be conditioned at 70 °F to 75 °F (21 °C to 25 °C) and 45 to 50 percent relative humidity for 48 hours prior to assembly.
2. Always bond backer to a suitable substrate such as medium to high density fiberboard, particleboard, or metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.
3. Recommended adhesives include solvent or water-based contact cement, white glue (PVA), epoxy, and hot melt glue. Consult your adhesive supplier for specific application requirements.
4. All saw blades and router bits used for cutting should be carbide tipped. Feed rate should be slow and tool speed should be high.
5. Inside corners of cutouts for electrical outlets, sinks, etc., should have a minimum radius of 1/8" (3 mm) and be filed smooth. This reduces the likelihood of stress cracks.
6. All edges of backer should be filed smooth to help prevent stress cracks and to minimize chipping.
7. When fasteners must be used, it is advisable to first drill an oversized hole through the backer. This reduces the likelihood of stress cracks.
8. All laminate is intended for interior use only, and should not be exposed to extreme humidity, continuous sunlight, or temperatures above 275 °F (135 °C) for extended periods of time.

## Limited Warranty

Subject to the limitations set forth below, Panolam® Industries International Inc. (Panolam) expressly warrants that our products are reasonably free of defects in material and workmanship, and when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications as set forth in our technical brochure. This warranty shall extend to the original buyer for a period of twelve (12) months from the date of shipment of this product by Panolam, and shall not be assignable by the original buyer. This warranty does not cover damage resulting from accident, misuse, alteration, abuse or lack of reasonable care.

Due to the variety of uses and applications to which this product may be put, and because the manufacturer has no control over the end products fabricated, the warranty set forth above is exclusive and in lieu of all warranties, expressed or implied, in fact or by operation of law or otherwise, or arising by course of dealing or performance, custom or usage in the trade, including, without limitation, the implied warranties of fitness for a particular purpose and merchantability, and Panolam shall have no obligation or liability to any person or entity in connection with or arising from the furnishing, sale, installation or repair, use or subsequent sale of any product supplied by it.

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, arising hereunder or from the loss of profits, or loss of use damages, sales of the products.

## Headquarters

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