



Uses of PolyBak

- Balancing substrates faced with laminates or veneers
- Backer adhered to wood veneers or vinyl for improved flexibility, strength, and stability
- A paintable overlay for substrates

Performance Features of PolyBak:

- Improves the **balancing** and **dimensional stability** of the laminated substrate
- Reduces the risk of panel **warping** due to climatic changes
- **Moisture resistance**
- Unlimited shelf life
- Extremely flexible
- The largest and most complete range of performance options
- **Paintable**



How is PolyBak made?

PolyBak is uniquely manufactured by impregnating Kraft liner board with a polymer resin using a proprietary system. This resin system contains no formaldehyde. With proper storage, **PolyBak** is a stable product with an unlimited shelf life. **PolyBak** should be stored in a cool, dry location.

PolyBak—the Sustainable Backer

- No added formaldehyde (NAF)
- GreenGuard Gold Certified
- Meets Controlled Wood Standards
- Can contribute to LEED credit points—MR 4.1, 4.2, EQ 4.4, 4.5

Physical Properties and Product Codes

FEATURES	PGB	PGB Black	PB42	PB69VNR	PB69	PB67	PB90	PB90HP	PB Ultra
Color	Light Brown	Black	Brown	Brown	Brown	Ivory	Brown	Brown	Brown
Nominal Thickness (inches)	0.011	0.011	0.011	0.020	0.020	0.016	0.024	0.024	.035
Tensile Strength MD (Machine Direction lbs./lineal inch)	133	118	149	232	257	214	362	363	456
Tensile Strength CD (Cross Direction lbs./lineal inch)	52	62	68	113	133	110	184	197	222
Hygroexpansivity Machine Direction (% change in size at 50-75% relative humidity)	0.118%	0.048%	0.121%	0.101%	0.094%	0.089%	0.325%	0.275%	0.102%
Hygroexpansivity Cross Direction (% change in size at 50-75% relative humidity)	0.487%	0.039%	0.430%	0.290%	0.246%	0.403%	0.295%	0.411%	0.397%
Weight (lbs/sq. ft.)	0.0480	0.0485	0.0500	0.0830	0.0900	0.0835	0.1200	0.1220	0.164
Density (lbs/cu. ft.)	53.1	51.5	57.8	51.9	59.4	62.2	56.7	62.2	56.4
Flame Spread Rating	A	A	A	A	A	A	B	B	B
Greenguard Gold Certified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Product Sizes

PolyBak is available in standard sizes.

Sheets

Sheet Widths (inches):* 25", 31", 37", 49", 61"

Sheet Lengths (inches): 97", 109", 121", 145"

Custom widths and lengths available (minimums may apply).

Rolls**

Standard Widths (inches):* 25", 31", 37", 49", 61"

Standard Footage: 1800 Linear Feet (L/F)

***Black & Ivory** PolyBak models: minimums and surcharges may apply for 37" width.

****PolyBak Ultra** is not available in rolls or 37" widths.

All rolls are wound on 6" (ID) cores (other sizes available upon request).

Custom widths and lengths available (minimums may apply).

Laminating Procedures

PolyBak is bondable to various substrates, particleboard, MDF, etc., using most standard cold and hot setting adhesives such as PVA or contact cement. When laminating, allow the laminate, substrate and **PolyBak** backer to reach equilibrium moisture before gluing. This usually requires that all materials be exposed to ambient conditions for a minimum of 48 hours (70 F to 75 F; 45-50% RH). Good air circulation in storage and layup areas is highly recommended. Consult your adhesive manufacturer for adhesive open times, spread rates, curing times and pressure applications.

Limited Warranty

Richwood Industries, Inc. exercises no control over the way in which PolyBak products are stored, handled or used after shipment from our factory. Therefore, no warranty, expressed or implied, is made as to the effects of its use. The only warranty obligation is to replace or accept return of material which the manufacturer determines to be defective. No warranty is made of any kind, expressed or implied, including, without any limitation, any implied warranty of merchantability. No person is authorized to make any product representation or warranty on behalf of PolyBak, and any such statement shall not be binding.