



polyonyx+® is a blend of aerated polymers from Productions Unlimited, Inc., Greer, SC, that is inherently black and incredibly durable. polyonyx+® has the moisture resistance of plastic, the screw retention of hardwood, and the rigidity to be used in everything from stage floors to road cases. It is used to provide durability where other materials have historically been used but performance was less than desirable.

SPECIFICATIONS

- Stage and platform flooring
- Excellent resurfacing solution
- Black color throughout = No painting necessary
- Surface is paintable if required
- Two surface textures for varying levels of slip resistance
- Cut and drill with standard wood working tools
- Does not absorb water
- Can be thermo molded
- Excellent screw retention
- Contains an average of 95% recycled content

ORDERING INFORMATION

- Standard 4' x 8' sheets
- Custom sizes upon request
- Available only in black
- Installation screws can be included in pricing per sheet
- Available thicknesses:
 - 1/4" nom. 0.236" (6 mm) - 34 lbs (15.3 kg) per sheet
Part Number: **PX-PO-BK-025-4X8**
 - 3/8" nom. 0.354" (9 mm) - 51 lbs (22.9 kg) per sheet
Part Number: **PX-PO-BK-037-4X8**
 - 1/2" nom. 0.472" (12 mm) - 67 lbs (30.6 kg) per sheet
Part Number: **PX-PO-BK-050-4X8**
 - 3/4" nom. 0.708" (18 mm) - 101 lbs (45.9 kg) per sheet
Part Number: **PX-PO-BK-075-4X8**

POSSIBLE OTHER USES

- Road Cases
- Portable Riser Tops
- Wall Protector for Backstage Areas
- Ramps
- Pit Covers
- Plywood Replacement
- Custom Uses

Comparative Data—polyonyx+® to wood

	polyonyx+®	White Pine	Fir Wood
Density	.85 g/cm ³	.55 g/cm ³	.57 g/cm ³
Tensile Strength	3,540 psi	2,525 psi	3,404 psi
Shore D Hardness	98	51	38
Water Absorption	Not Absorbed	Absorbed	Absorbed
Compressive Strength	1,123 psi (both directions)	565 psi with grain 1,800 psi cross grain	625 psi with grain 1,700 psi cross grain

Summary of Properties

	Test Method	Units	Data
Specific Gravity	D-792	g/cm ³	0.85
Tensile Strength	D-638	psi	3,540
Flexural Modulus	D-790	psi	300,000
Flexural Strength	D-790	psi	2,470

Impact Test at 73°

Notched Izod	D-256	ft-lbs/in	2.2
Garner Drop	D-5420	in-lbs	320
Inst. Impact (max. load)	D-3763	lbs	1575
Inst. Impact (total energy)	D-3763	ft-lbs	72
Heat Deflection Temp	D-648	°F	198
Hardness	D-785	Rockwell-D	98
Gardner Gloss	D-523	%	90

Compressive Strength C-365

Flat Wise		psi	1,123
Core Compressive Modulus		psi	19,649

Fastener Pull-Out D-1761

1/2" Coarse Thread Bolt		psi	1,845
#8 Screw		psi	713

*All tests were conducted on a .472" sample

Important Care/Maintenance Considerations:

- Petroleum based products should not be used to clean the floor. Simple detergent and water are all that should be required. Magic Erasers have worked well for cleaning polyonyx+®.
- Placing heat-generating equipment (e.g., hazers, etc.) directly on the surface for an extended period of time may cause warping. It is recommended that some sort of insulation be placed between polyonyx+® and such equipment.
- If painting, use only a latex paint.

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A product by:



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