



Polyurethane Selection Guide

	Densities*		Sheet Sizes
<p>Precision Board Plus PBLT is available in 15 standard densities and 8 standard sheet sizes.</p> <p>*Densities are in pounds per cubic foot. Custom densities are available on request.</p> <p>Thicknesses from 1/4" to 24."</p> <p>See Product Data Sheets below.</p>	4lb/ft ³ 6lb/ft ³ 8lb/ft ³ 10lb/ft ³ 12lb/ft ³ 15lb/ft ³ 18lb/ft ³ 20lb/ft ³	30lb/ft ³ 34lb/ft ³ 40lb/ft ³ 48lb/ft ³ 60lb/ft ³ 70lb/ft ³ 75lb/ft ³ NEW	20" x 60" 24" x 60" 30" x 80" 45" x 60" NEW 4' x 8' 4' x 10' 5' x 8' 5' x 10'

Choosing The Proper PBLT Density - Density is selected according to specific job requirements. The primary difference between densities is the thickness of the cell wall. The thicker the cell wall, the higher the density. The higher the density of **Precision Board Plus PBLT**, the stronger, tougher and heavier the product is. Density also directly relates to how much raw material is required to manufacture the product and therefore directly relates to its cost. The wide variety of densities available for **Precision Board Plus PBLT** means that material cost can be managed according to application-specific performance requirements.

- Precision Board Low Temperature - For 200° and below usages
- Precision Board High Temperature - For 200° and above usages

	Lower Densities							Higher Densities						
	4 lb.	6 lb.	8 lb.	10 lb.	12 lb.	15 lb.	18 lb.	20 lb.	30 lb.	40 lb.	48 lb.	60 lb.	70 lb.	75 lb.
Dimensional Signage (indoor)	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue					
Dimensional Signage (outdoor)		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue					
Landmark Signage				Blue	Blue	Blue	Blue	Blue	Blue					
Sculptures/Carvings	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue					
Theme Park Creations/Caricatures	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue					
Topographical and Architectural Models				Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Composite Layup Tools						Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Aerospace Layup Tools						Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Automotive Layup Tools				Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Foundry Patterns						Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Prototype Patterns						Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Vacuum Form Molds								Blue	Blue	Blue	Blue	Blue	Blue	Blue
Autoclave Tools								Blue	Blue	Blue	Blue	Blue	Blue	Blue

- Usage Considerations:**
- Impact/ Abrasion Resistance
 - Strength (Compression, Tensile, Shear)
 - Level of Edge Detail
 - Machined Surface Finish Smoothness
 - Weight
 - Location of Signage
 - Total Parts Pulled

The information in the chart above represents PBLT and PBHT densities most commonly used for a particular application. Because performance requirements for each specific project vary based on considerations such as, the need for impact and abrasion resistance; compression, shear and tensile strength required; degree of edge detail needed; level of surface smoothness required, and weight (among others), Coastal Enterprises is providing this information to serve only as a general guide. Please contact us. Our product experts will be happy to help you make the right product selection.

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