

Custom Door Components™ Particleboard Door Core

Our particleboard door core is an engineered core specifically designed for many different applications. The core is available as Uni-Cor ST Lite and Uni-Cor ST. Both panel faces can be sanded to meet the exacting thickness requirements of solid core doors or other products. This lightweight core material is for use in solid core wood or plastic-faced, wood-framed doors. Uni-Cor ST Lite core is ideal for loose lay-up or drop-in core applications.

Customer Benefits

Uniform thickness: Allows precision fit with stiles and rails, reduces telegraphing.
Panels available sanded or unsanded: Allows for precision thickness control
Superior bonding; Bonds well with all common glues, helps eliminate delamination

Superior physical properties:

Features

Resists warping
Cut-to-size availability
Broad selection of thicknesses
Custom palletizing available
Just-in-time delivery schedules

Specifications

Most sizes available in single-piece panels. Edge gluing is available.

Uni-Cor ST Lite and Uni-Cor ST particleboard can be manufactured to meet the requirements of ANSI A208.1-1999 for grades LD-1 or LD-2

Sizes / Thicknesses

Thickness (inches)	Standard and special thicknesses from 1-1/8" to 2-1/4"
Finished Mat Size	84 x 109, cut to size available
Thickness Tolerance	+/- .005 Average thickness from target
Length / Width Tolerance	+/- 1/16"
Squareness tolerance	1/32" per foot of panel width

COMPONENT
INSIGHT

ANSI 208.1-1999 Particleboard Standards

	LD-1		LD-2	
Modulus of Rupture	435 PSI	(3.0n/MM2)	725 PSI	(5.0 N/MM2)
Modulus of Elasticity	79,800 PSI	(550 N/MM2)	148,700 PS	(1,025 N/MM2)
Internal Bond	15 PSI	(0.10N/MM2)	22 PSI	(0.15 N/MM2)
Screw Holding-Face	90 LBS	(400 N)	124 LBS	(550 N)
Density	28-29 LBS	(449-513 KG/M3)	32-35 LBS	(513 KG/M3)

Values listed are minimum average performance levels when tested according to ASTM D 1037-96