



# SPECIFICATION SHEET

## MDF / HDF - Raw Board or Melamine Laminated Board

V.04

CARB 93120 Phase 2 & TSCA Title VI compliant for formaldehyde

Properties	Unit	Tolerances	Limits										
Standard Panel Sizes	ft		9 x 7	9 x 6	9 x 5	9 x 4	8 x 7	8 x 6	8 x 5	8 x 4	Other sizes and thickness under request		
(Delivered as)	in	± 0.080"	109 x 85	109 x 73	109 x 61	109 x 49	97 x 85	97 x 73	97 x 61	97 x 49			
Squareness		(maximum)	0.036" / 3.0mm										
Straightness		(maximum)	0.016" per 2ft / 1.0mm per meter										
Thickness		± 0.0125"	7/64"	1/8"	3/16"	7/32"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	
		± 0.3mm	2.8mm	3.0mm	4.8mm	5.5mm	6.4mm	9.5mm	12.7mm	15.9mm	19.1mm	25.4mm	
Thickness Swelling (24 hrs)	%	Max	35		32		30	17	13		10	10	
		<b>Typical Values</b>	30	27	25	25	25	13	10	8	8	6	
Average Density	lbs/ft³	± 7 %	> 50					46	45	44	44	> 39	
		<b>Typical Values</b>	54	54	54	52	51	46	46	45	44	42	
Internal Bonding (IB)	psi	(minimum)	94						87	80			
		<b>Typical Values</b>	184	184	170	156	128	114	100	85			
Modulus of Rupture (MOR)	psi	(minimum)	3,300						3,200	2,900	2,600		
		<b>Typical Values</b>	7,000						5,700	5,600	3,700		
Modulus of Elasticity (MOE)	psi	(minimum)	390,000						360,000	320,000	300,000		
		<b>Typical Values</b>	526,000						480,000	455,000	426,000		
Moisture Content		(maximum)	9%										
		<b>Typical Values</b>	6%										
Formaldehyde Emission	-	(maximum)	0.13 ppm					0.11 ppm					
Screw Holding on Faces	lbs	(minimum)	Not Applicable						180				
Screw Holding on Edges		(minimum)	Not Applicable						150				

Panels meet the requirements of ANSI A208-2(2016), CARB ATCM § 93120, ASTM E 1333-96 (2002).

Guararapes is Certified by PFS TECO under certificate TPC-3 Mill #3-515 (<http://www.pfsteco.com/clients>)

#3-515 TPC3, CARB 93120 Phase 2 & TSCA Title VI compliant for formaldehyde

Typical Values are the average values obtained considering L5% and U95%