



# // *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										
<b>Standard Panel Sizes (Delivered as)</b>	ft	± 0.080"	9 x 7	9x6	9x5	9x4	8x7	8x6	8x5	8x4	Other sizes and thickness under request		
	in		109x85	109x73	109x61	109x49	97x85	97x73	97x61	97x49			
<b>Squareness</b>		(maximum)	0.036" / 3.0mm										
<b>Straightness</b>		(maximum)	0.016" per 2ft / 1.0mm per meter										
<b>Thickness</b>		± 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	
<b>Thickness Swelling (24 hrs)</b>	%	Max	35	32			30	17	13	10		10	
		<b>Typical Values</b>	30	27	25	25	25	13	10	8	8	6	
<b>Average Density</b>	lbs/ft <sup>3</sup>	± 7%	<50					46	45	44	44	> 39	
		<b>Typical Values</b>	54	54	54	52	51	46	46	45	44	42	
<b>Internal Bonding (IB)</b>	psi	(minimum)	94						87	80			
		<b>Typical Values</b>	184	184	170	156	128	114	100	85			
<b>Modulus of Rupture (MOR)</b>	psi	(minimum)	3,300						3,200	2,900		2,600	
		<b>Typical Values</b>	7,700						5,700	5,600		3,700	
<b>Modulus of Elasticity (MOE)</b>	psi	(minimum)	390,000						360,000	320,000		300,000	
		<b>Typical Values</b>	526,000						480,000	455,000		426,000	
<b>Moisture Content</b>		(maximum)	9%										
		<b>Typical Values</b>	6%										
<b>Formaldehyde Emission</b>	-	(maximum)	0.13 ppm					0.11 ppm					
<b>Screw Holding on Faces</b>	lbs	(minimum)	Not Applicable						180				
<b>Screw Holding on Edges</b>	lbs	(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%