

**Composition:** Softwood plywood bonded with phenolic resin

**Wood species:** Slash Pine / Loblolly Pine (pinus elliottii / pinus taeda)

**Bond quality:** EXPOSURE 1 – fully exterior phenolic resins are used to make the panels suitable for quick exposure in the weather due to construction delays or high humidity.

**Certifications and credentials:** PS 1-19

**Certified by:** Benchmark Holdings / International, LLC 2710 West 5th Ave. Eugene, Oregon 97402

**Phone:** +1 (541) 484-9212

<http://www.benchmark-intl.com>

PCA – 109

**Manufacturer:**

Indústria de Compensados GUARARAPES Ltda.

**Phone:** +55 46 3263-8300

**E-mail:** [info@guararapes.com.br](mailto:info@guararapes.com.br)

**Website:** <https://www.guararapes.com.br/en>

GENERAL CHARACTERISTICS			
Category / thickness	1/2	19/32	23/32
Face / Back	C-D Grade	D-D Grade	D-D Grade
Number of layers	5 ply	5 ply	7 ply
Thickness in	0.469	0.593	0.688
Inner Plies	Overlaps and open joints up to 1/2".		Overlaps up to 1/2" and open joints up to 1".
Panel size	8 x 4 ft		
<b>Veneers front and back density grading by Metriguard 2865 DME / Unrepaired/Unsanded</b>			

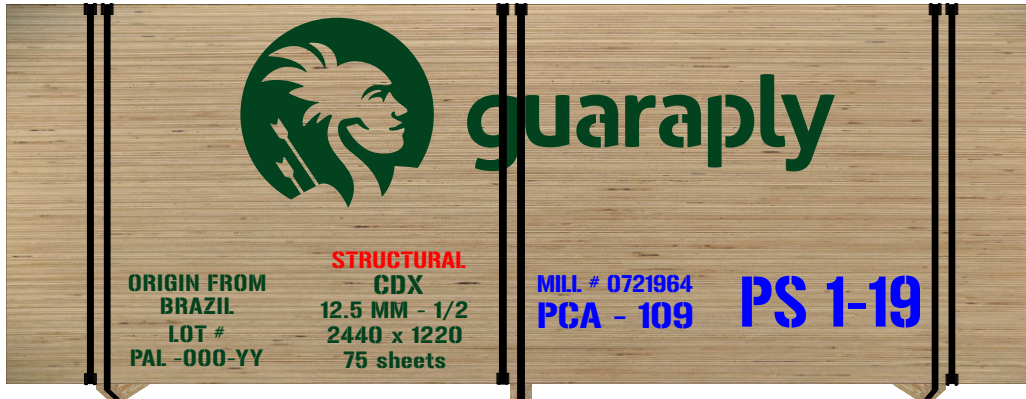
Delivering a very high structural performance, these panels are not repaired and may have composed faces and backs. They offer a perfect solution for applications such as roof sheathing, sidewalls, subflooring, crating, packing, pallet components, etc.

### Specific Properties - PS 1-19

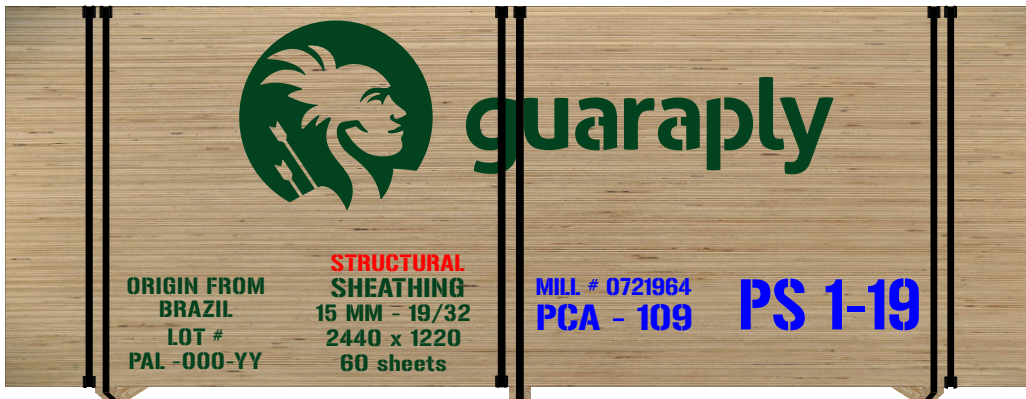
PROPERTY	UNIT	SPECIFICATION
Thickness	in	± 1/32
Length & width	in	+0 – 1/16
Squareness tolerance	In/foot	1/64
Edge straightness tolerance	in	1/16
Moisture content	%	< 18
Average Density	lb/ft³	> 31
Span Rating	1/2 Category	32/16
	19/32 Category	40/20
	23/32 Category	48/24

**Packing**

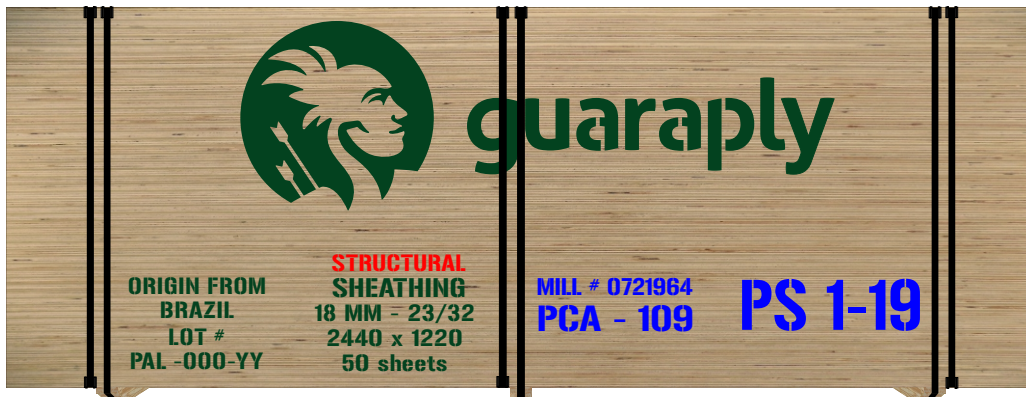
Sheets stacked over wooden skids and tied up with 06 or more polyester straps.



<b>PCA - 109</b>
<b>MILL NO.</b>
<b>0721964</b>
<b>EXPOSURE 1</b>
PS 1-19
SPAN-RATED SHEATHING
<b>C/D</b>
<b>32/16</b>
1/2 PERF CATEGORY
<b>THICKNESS 0.483 IN</b>
<b>18872-0</b>



<b>PCA - 109</b>
<b>MILL NO.</b>
<b>0721964</b>
<b>EXPOSURE 1</b>
PS 1-19
SPAN-RATED SHEATHING
<b>D/D</b>
<b>40/20</b>
19/32 PERF CATEGORY
<b>THICKNESS 0.578 IN</b>
<b>99181-0</b>



<b>PCA - 109</b>
<b>MILL NO.</b>
<b>0721964</b>
<b>EXPOSURE 1</b>
PS 1-19
SPAN-RATED SHEATHING
<b>D/D</b>
<b>48/24</b>
23/32 PERF CATEGORY
<b>THICKNESS 0.703 IN</b>
<b>50200-0</b>



C grade veneer example pictures



D Grade veneer example pictures





**Typical thickness**

**Guaraply CDK 2440 x 1220 x 12.5 mm**

MEASUREMETN POINT (IN)				
Sample	P1	P2	P3	P4
1	0.517	0.512	0.518	0.515
2	0.510	0.513	0.510	0.513
3	0.513	0.516	0.518	0.518
4	0.519	0.516	0.518	0.518
5	0.515	0.515	0.521	0.517
6	0.524	0.517	0.518	0.516
Average			0.516	

**Guaraply Sheathing 2440 x 1220 x 15 mm**

MEASUREMETN POINT (IN)				
Sample	P1	P2	P3	P4
1	0.592	0.590	0.593	0.586
2	0.598	0.591	0.589	0.592
3	0.593	0.594	0.593	0.598
4	0.594	0.591	0.594	0.597
5	0.591	0.593	0.590	0.590
6	0.593	0.591	0.593	0.597
Average			0.592	

**Guaraply Sheathing 2440 x 1220 x 18 mm**

MEASUREMETN POINT (IN)				
Sample	P1	P2	P3	P4
1	0.725	0.730	0.717	0.724
2	0.739	0.736	0.738	0.738
3	0.722	0.727	0.726	0.731
4	0.728	0.725	0.726	0.724
5	0.731	0.743	0.741	0.740
6	0.739	0.737	0.731	0.739
Average			0.732	