

ALTERNATIVE DECKING MATERIALS

	RED CEDAR	REDWOOD	CAMBARA	IPE'	COMPOSITES	VINYL (PVC)
INSECT/ROT RESISTANT	Natural Oils Excellent	Natural Oils Excellent	Naturally Good	Rated #1 Natural	Excellent	Excellent
WARP, TWIST, SPLIT, SPLINTER	Very Resistant Straight Grain	Very Resistant Straight Grain	Very Resistant	Highly Resistant	No Warp, Twist, Splits, Splinters	No Warp, Twist, Splits, Splinters
FASTENING/SYSTEM	Nails/Screws	Nails/Screws	Screws or Fastening System	Pre-Drill Screws or Fastening System	Screws or Fastening System	Screws or Fastening System
COLOR	Weathers Gray	Weathers Gray	Weathers Blonde	Weathers Silver	Various Colors	Various Colors
PAINT/STAIN	Accepts Very Well	Accepts Very Well	Accepts Well	Finished Natural Accepts Oil	Not Required	Not Required
MAINTENANCE	Periodic Seal/Stain	Periodic Seal/Stain	Periodic Seal & Preservative	Periodic UV Sealer	No Sealing or Staining Needed	No Sealing or Staining Needed

STRUCTURAL PANELS

GRADE	DESCRIPTION	USES	TYPICAL THICKNESS
APA A-C EXT	Double sanded face, extra smooth.	Cabinets, shelving, underlayment, porch ceilings, soffit.	1/4", 3/8", 1/2", 5/8", 3/4"
APA B-C EXT	Sanded panel with a solid core.	Cabinets, shelving, underlayment.	1/4", 3/8", 1/2", 5/8", 3/4"
APA Underlayment C-C Plugged EXT	Touch-sanded. High impact resistance.	Subfloor for areas to be carpeted.	3/8", 1/2", 5/8", 19/32", 23/32", 3/4"
APA B-B Plyform Class 1 EXT	Oil treated.	Concrete forms.	5/8", 3/4"
APA-Rated® Sheathing EXP 1	Span rated for general construction.	Subflooring, wall and roof sheathing.	3/8", 7/16", 15/32", 1/2", 19/32", 23/32"
APA-Rated® Structural 1 Sheathing EXP 1	Unsanded panel used where strength is important.	Diaphragms, gusset plates, skin panels.	3/8", 7/16", 15/32", 1/2", 19/32", 5/8", 23/32", 3/4"
APA-Rated® Sturdi-I-Floor® EXP 1	High impact resistance. Smooth surface one side.	Subfloors, square edge or tongue & groove.	19/32", 5/8", 23/32", 3/4", 1", 1-1/8"
APA-Rated® Sturdi-I-Floor® 48" oc (2-4-1) EXP 1	Subfloor-underlay 32" & 48" spans. SE or T&G	Subfloors & heavy timber roof construction.	7/8", 1-1/8"

Performance-Rated Panels by Thickness and Span Rating

GRADE	THICKNESS	SPAN	GRADE	THICKNESS	SPAN
RATED SHEATHING	3/8"	24/0	RATED STURDI-FLOOR	19/32", 5/8"	20 oc
	7/16"	24/16		23/32", 3/4"	24 oc
	15/32", 1/2"	32/16		7/8", 1"	32 oc
	19/32", 3/4"	40/20		1-1/8"	48 oc
	23/32", 3/4"	48/24			
RATED SIDING	11/32"	16 oc	RATED SIDINGS T-111	19/32"	16 or 24 oc
	15/32"	24 oc			

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