

WHITE OAK VS. 35-YEAR TEAK HEARTWOOD

FEATURE	WHITE OAK 2-INCH BOARD	35-YEAR TEAK HEARTWOOD PT + KDAT	ADVANTAGE
Estimated exposed-trailer service life***	10-20 yrs 7.5	20-30+	Teak
Resistance to checking, warping and cupping	7.0	yrs 9.5	Teak
Low-maintenance performance	8.5	9.0	Teak
Appearance when new*	6.5	9.5	Teak
Decay resistance in exposed service	7.5	9.5	Teak
Moisture resistance	7.5	9.5	Teak
Dimensional stability	8.0	9.5	Teak
Appearance after weathering*	7.5	9.0	Teak
Lower board weight (same dimensions)	8.5	9.0	Teak
Responsible sourcing**	6.5	9.0	Teak
Termite and insect resistance	9.5	8.5	White oak
Surface hardness and wear	9.5	8.5	White oak
Bending and load strength	9.0	8.5	White oak
Impact resistance	9.5	8.0	Teak
Fastener-holding performance			
Cutting and installation			

OVERALL PERFORMANCE SCORE	WHITE OAK 8.0 / 10	35-YEAR TEAK HEARTWOOD - PT + KDAT 9.0 / 10
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CONCLUSION

For exposed flatbed service, **pressure-treated, KDAT 35-year-old teak heartwood scores higher** for lower weight, moisture and decay resistance, dimensional stability and reduced maintenance. **White oak leads in hardness, load strength, impact resistance and fastener holding**, but generally needs more attention to sealing, drainage and end-grain protection.

Scoring: 10 = excellent. *Appearance is subjective. **Sourcing assumes verified legal origin and traceable chain of custody; plantation origin alone is not proof of sustainability. ***Service-life ranges are planning estimates, not warranties. Teak is specified as heartwood only from 35-year-old trees, pressure-treated and kiln-dried after treatment (KDAT). Treatment benefit depends on documented chemistry, retention and penetration; teak heartwood can be difficult to impregnate. Actual life also depends on final moisture content, board grade, drainage, cargo abrasion, climate, fastening and maintenance. White oak is assumed untreated. Compare the same actual finished dimensions. Wood-property basis: USDA Wood Handbook.



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