

## Ironwood / IPE – Technical Information

<b>MODULUS OF RUPTURE or BENDING STRENGTH (PSI)</b>	22,560 PSI
<b>SHEAR STRENGTH (PSI)</b>	2048 PSI
<b>MODULAS OF ELASTICITY (PSI)</b>	3,308,000 PSI
<b>HARDNESS (LBS)</b>	3,600 lbs
<b>WEIGHT IN LBS (linear foot)</b>	2 lbs per linear foot (1 x 6 board)
<b>BOARD LENGTH</b>	4' - 20' lengths (increments of 2')
<b>BOARD WIDTH</b>	5-3/8"
<b>BOARD DEPTH</b>	¾" thick (4/4 board)

## Ironwood / IPE – Specification Data

<b>FOOTAGE CONVERSION TABLE</b>	1 x 6 (3/4" x 5-3/8") 100 square feet = 223 linear feet
<b>RECOMMENDED SPAN TABLE</b>	1 x 6 (3/4" x 5-3/8") up to 24" on-center joist spacing

<b>IPE SPAN VALUES: NOMINAL SIZE</b>	40 lbs/ft <sup>2</sup>	50 lbs/ft <sup>2</sup>	60 lbs/ft <sup>2</sup>	100 lbs/ft <sup>2</sup>
<b>1 x 6</b>	38"	34"	32"	28"

## Ironwood / IPE Decking – Fire Rating

**FIRE RATING (NFPA):** Class A (same rating given to concrete & steel)

**FIRE RATING (UBC):** Class 1

IPE Decking Flame Spread (10 minutes): 0

IPE Decking Flame Spread (30 minutes): 5

IPE Decking Smoke Developed Values (10 minutes): 3

IPE Decking Fuel Contribution (10 minutes): 0

*\*NFPA is the National Fire Protection, NFPA no.1 Fire Safety Code*

*\*UBC is the Uniform Building Code, 1979 Edition, Part VIII, Fire Resistive Standard for Fire Protection*

## Notes

**DIMENSIONAL STABILITY:** stable, minimal checking & warping

**RESISTANCE TO INSECTS & DECAY:** highly/naturally resistant to all insects and fungal attacks or decay

**STRENGTH MOR (PSI):** 25,400

**SIDE HARDNESS (LBS):** 3,060