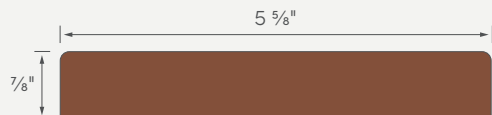


5/4x6 Clear Square S4S E2E / #2226



Actual Dimensions: $\frac{7}{8}$ " x $5 \frac{5}{8}$ "

Lengths: 10', 12', 14', 16'

Moisture Content 4-8% (upon delivery)

Cupping Max. 1% of width

Density 41.8 lb/ft³
670 kg/m³

Crook 10' 12': Max. 10mm ($\frac{25}{64}$ ")
14' 16': Max. 13mm ($\frac{33}{64}$ ")

Fire Rating

Class B as per ASTM Designation E84-15a, "Standard Method of Test for Surface Burning Characteristics of Building Materials".

Hardness (Janka) 1618 lb
7.2 kN

Stiffness (MOE) as per ASTM D5456
1,812,000 psi / 12.49 GPa

Characteristic Bending Strength (MOR)*
4930 psi / 34 MPa for 22mm boards

* Data provided do not have any safety factors applied.

Dimensional Stability (Swelling/Shrinkage)
Maximum Swelling (dry to wet, tangential direction): 4%

EXAMPLE OF WEATHERING



CERTIFICATIONS

FSC® CU-COC-813689 – www.fsc.org
EPD: NEPD-407-287-EN – www.epd-norge.no
ICC ESR-3756 – www.icc-es.org



TABLE 1—KEBONY DECK BOARDS LOADS AND SPANS^{3,6}

PRODUCT DESCRIPTION	JOIST SPACING (in.)	ALLOWABLE UNIFORM LOAD ^{1,4}		ALLOWABLE STAIR TREAD LOAD ^{2,5} (lb _f)
		Deck board at 90° to joists (psf)	Deck board at 45° to joists (psf)	
Radiata Pine				
Kebony Clear 7⁄8"	12	250	200	300
Kebony Clear 7⁄8"	16	200	150	300
Kebony Clear 7⁄8"	24	150	100	300

SI Units conversion: 1 in. = 25.4 mm; 1 psf = 0.0479 kN/m²; 1 lb_f = 0.004448 kN.

Footnotes:

1 Tabulated deck board loads are for uniform live loads applied to boards spanning continuously over two or more equally spaced joists.

2 Tabulated stair tread loads are for treads spanning continuously over two or more equally spaced stringers.

3 The spans indicated above take into consideration the loads tabulated in addition to the weight of the deck boards themselves. The weights of the Kebony deck boards are as follows:
Kebony Clear $\frac{7}{8}$ " 3.0 psf (0.14 kN/m²).

4 Deflection limit for uniform load = span / 360.

5 Deflection limit for uniform load = $\frac{1}{8}$ " (3.2 mm).

6 No increases in tabulated loads allowed.

DISCLAIMER

Kebony products will change in appearance when exposed to rain and sun. Color changes and surface cracks will occur due to natural weathering. Kebony cannot be held liable for any such variations in colour and surface appearance. This will not influence durability and overall performance of the product.

Kebony is continuously working on product development. Information in this datasheet may be changed without further notice.



Natural wood
Made to last

BENEFITS/FEATURES

Maintenance

Kebony is a low maintenance wood that does not require any additional treatment beyond normal cleaning. Removal of dirt, sand and other particles is simply done with a brush and water.

High resistance

Kebony is highly resistant to decay, fungi, insects and other wood-destroying microorganisms. That's why we are able to offer an outdoor lifetime warranty against rot for 30 years for all Kebony products in above-ground usage.

Safe & toxin-free

Kebony is not toxic to humans or the environment, neither in use nor at the end of its life cycle. That's why Kebony is often selected for applications such as kindergarten as children will have direct contact with the wood. The wood does not splinter and contains no toxins or chemicals.

Waste from Kebony boards can be disposed of and recycled in the same manner as untreated wood. Kebony can be burnt like untreated wood, and will not release any other components than those released when burning untreated wood.

Eco-friendly

Kebony wood has no harmful effects on the environment. Production of Kebony is based on a liquid extracted from bio-waste and our factory produces to the most environmentally friendly standards.

Sustainable resources

The raw materials for Kebony are acquired from commercially managed forests with large timber harvests. All our suppliers hold certificates guaranteeing the origin of their timber.

Many Kebony products are FSC®-certified. The Forest Stewardship Council® (FSC®) works to improve forest management worldwide, and through certification it creates an incentive for forest owners and managers to follow best social and environmental practices. FSC® provides a connection between the forest and the end user, ensuring that products with the FSC® label uphold principles and criteria that adhere to the highest social and environmental benefits and considerations.