



SPECIFICATIONS

General information (Bare Panel)

- All steel welded construction filled internally with a cementitious core material
- Protected from corrosion by an epoxy paint finish
- Class A flame spread rating

UNDERSTRUCTURE OPTIONS

- ☐ 4' Bolted Stringer
- ☐ 4' Box Stringer

COVERING

1/8" thick rift & quarter sawn hardwood, on a 5/16" backer board made up of six 4" wide by 24" planks, factory laminated with a monolithic edge

- | | |
|------------------------------------------|-------------------------------------|
| <input type="checkbox"/> Afrormosia | <input type="checkbox"/> Oak |
| <input type="checkbox"/> American Walnut | <input type="checkbox"/> Medium Oak |
| <input type="checkbox"/> Cabueva | <input type="checkbox"/> Dark Oak |
| <input type="checkbox"/> Doussie | <input type="checkbox"/> Teak |
| <input type="checkbox"/> Iroko | <input type="checkbox"/> Wenge |

Note: Tate's plank hardwood is a natural product. Shade, grain and color tone variations will occur and must be expected. For this reason when selecting a species and finish, several samples representing the average range of variation must be reviewed and signed off. Selection must not be based on a single sample.

SEALERS

Tate Plank Hardwood is pre-finished at the factory with a UV cured acrylic varnish

System Performance Criteria (Tested on Actual Understructure)

System Type	Understructure	SYSTEM WEIGHT	STATIC LOADS			ROLLING LOADS		IMPACT LOADS
			Design Loads	Ultimate Loads	Safety Factor	10 Passes	10,000 Passes	
ConCore 1250-24" Bare Panel	Bolted Stringer	9.5 lbs / ft ² 46.38 kg / m ²	1250 lbs 567 kg	Min. 2500lbs Min. 1134kg	Min. 2	1000 lbs 453 kg	800 lbs 363 kg	150 lbs 68 kg
	Box Stringer	9.5 lbs / ft ² 46.38 kg / m ²	1250 lbs 567 kg	Min. 2500lbs Min. 1134kg	Min. 2	1000 lbs 453 kg	800 lbs 363 kg	150 lbs 68 kg

COVERING	TILE WEIGHT	PERFORMANCE ³
4" planks glued to 24" (Tile only)	2.1 lbs / ft ² 10.25 kg / m ²	1000 to 1500 lbs./in ² 70 to 105 kg/cm ²

1. System Design Load is based on permanent set $\leq 0.010"$ and is verified by loading panels in accordance with the CISCA concentrated load method but with panels installed on actual understructure instead of steel blocks. (Testing on blocks does not represent performance of an actual installation.) Ultimate, Rolling, and Impact Load tests are performed using CISCA test procedures.
2. Safety Factor is Ultimate Load divided by Design Load.
3. Most hardwood manufacturer's rate the performance of their wood based on the Janka Hardness test for indentation and varies by species. Contact the hardwood manufacturer for additional information.
4. Published performance does not apply to perimeters, cut panels or panels with cutouts.



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