NOVA
BUILDING PRODUCTS

Inari®
Technical Data Sheet

Nova USA Wood Products
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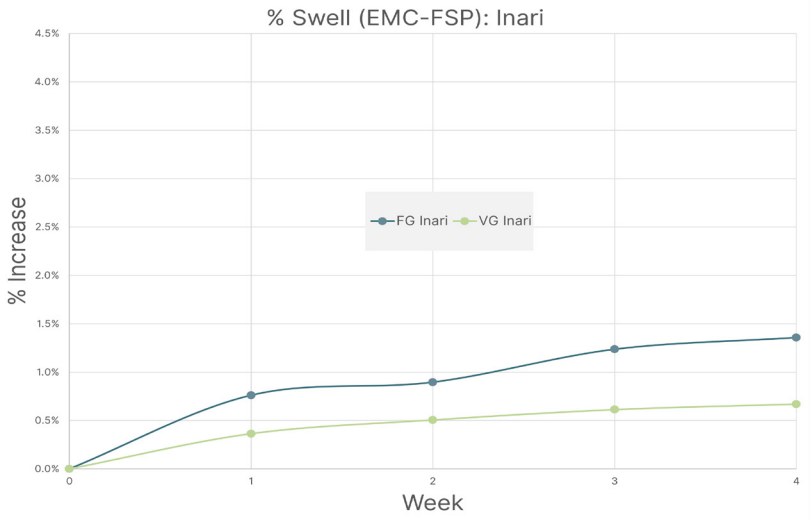
DIMENSIONAL STABILITY

ASTM D1037

<2% Tang. Rad. (EMC-FSP)

Flat grain (FG) and vertical grain (VG) Inari® vastly outperformed western redcedar (WRC) in a month-long dimensional stability study where specimens were submerged fully in water, testing them to their extreme.

FG and VG Inari® swelled significantly less than 2% in width while WRC swelled up to 4%.



BIOLOGICAL DURABILITY

EN 350

Testing conducted by the International ThermoWood Association showed superior durability performance compared to unmodified spruce.

Testing was performed in accordance with EN 350, the European standard used to determine and classify the durability of wood and wood-based products against wood-destroying fungi and biological organisms.

Wood Species	Process	Standard	Durability Class	*Coniophora puteana*	*Poria placenta*	*Gloeophyllum trabeum*	*Trametes versicolor*
Spruce	212 °C / Thermo-D	CEN/TS 15083-1	1	1	1	1	1

PHYSICAL & MECHANICAL PROPERTIES

SPECIES: Picea abies
GRADE: Select Knotty equivalent to WCLIB 111-e,f
JANKA: 380 Lbf
DENSITY: 440 kg/m^3
FASTENING: 304, 316 SS
ADHESION: MUF, PU, STP
FINISHING: Unfinished, Oil/Water-based paints and stains
FIRE RATING: Inquire for treatment

MOE (PSI): 1,500 (1000 PSI)
MOR (PSI): 9,500
PHOTOSENSITIVE: Yes
COLOR: Consistent caramel to amber when modified
TEXTURE: Medium
LUSTER: Medium High
THERMAL MODIFICATION LEVEL: Thermo D,
THERMAL CONDUCTIVITY, INSULATION TS EN 12667: 0.095

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