

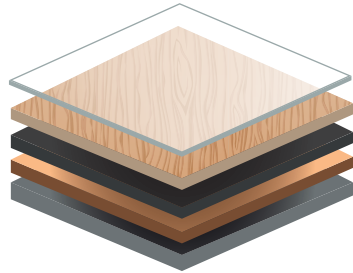
## Technical Data

# Inspire

**Black Edition**

### Composition

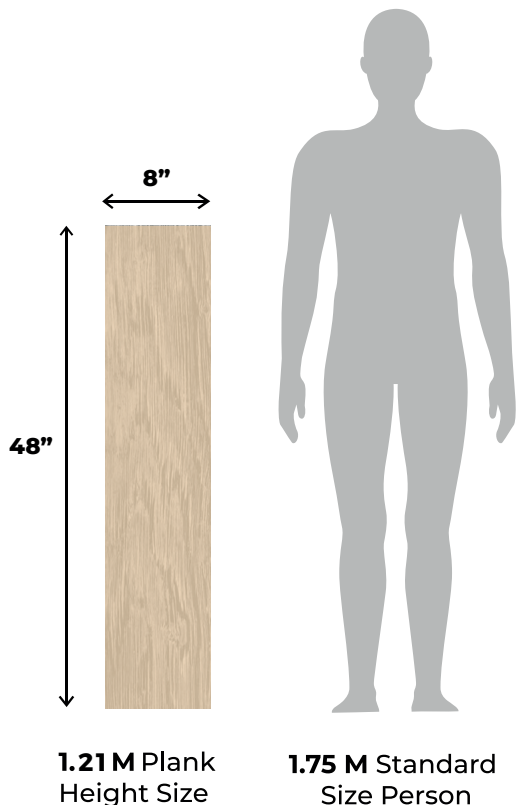
- Wear Layer
- Kraft Decor Paper
- Free PVC Black HD Core
- Backing layer
- Padding



### Packing

Box: 36.43 Sqft | 14 planks (44 Lbs.)  
Pallet: 1,821 Sqft | 50 boxes (2,112 Lbs.)

### Plank Size



Properties	Classification / Standard	Result
Class of usage	EN16511:2019	Class 34
Thickness	EN16511:2019	6.0 mm
Width	EN16511:2019	8"
Length	EN16511:2019	48"
Warranty Residential		Limited lifetime
Warranty Commercial		10 years
Waterproof		100% waterproof
Thickness Swelling		4.0% (300 hours)
Density		980 kg/m3
Dimensional Stability		0.10mm
Moisture Content		8%
Type of Installation		Angle-angle
Area without transition moldings		10m x 10m
Temperature range of application		-30°C - + 70°C
Bevel		lacquered bevel on sides
Reaction to fire	CE/EN 13501:2010	bfl-s1, flame retardant, no/low smoke emission
Floor heating	CE	radiant floor heating
Thermal resistance	CE	max. 0.1 (km2)/w
Antistatic	CE/EN 1815:2011	2kV
Form aldehyde emission	CE/EN 717-1:2005	Class E1/2020, under detection limit (CARB2 compliant)
Slip resistance	CE/EN 14041:2008	DS
Slip rating	DIN 51130:2014	R10
Abrasion resistance	EN 16511:2019	7.000, class 34
Micro-scratch resistance	EN 16511:2019	MSR-A1 / MSR-B1
Impact Resistance large ball	EN 16511:2019	1700mm, Class 34
Resistance to indentation	ISO 24343-1:2012	0.15 mm
Stain resistance	EN 438-2:2019	No visible change (acetone, coffee, hydrogen peroxide)
Static bending strength		Average 66 Mpa
Inner bending strength	ASTM D1037	Average 4.4 MPa
Surface bonding strength	NALFA LF01-3. 10	Average 2.7 MPa
Finishing		Matt surface
Light fastness	EN 20105:1995	Light fast
Castor chair resistance	EN 425:2002	25,000 cycles without any damage
Burning cigarette	EN 1399:1998	Yes, highly resistant
Antibacterial resistance	ISO 22196:2011	Antibacterial surface
VOC emission	ISO 16000	Floorscore
PVC free		Yes
Phthalates free		Yes
Heavy metal content	ASTM F963	pass (0.25 ppm)
Attached underlayment		1.0 mm IXPE
Airborne sound transmission	ASTM E90 (STC)	63
Impact sound transmission	ASTM E492 (IIS)	62
Reducing impact sound transmission	ASTM E2179 (A IIC)	23