

Nature Creations Plus

PRODUCT DESCRIPTION		
Size	Thickness	6.5mm(Include 1mm cork)
	Width	146mm
	Length	1218mm
Top layer	Type	UV coat + PVC wear layer + PVC décor layer + vinyl layer
	Thickness	Wear layer of 0.55mm (Total thickness 1.5mm)
	Texture	Embossed (CP02)
	Gloss	4-7%
Core	Type	Waterproof thermoplastic composite
	Thickness	4.0mm
	Color	Light brown
	Density	≥ 850kg/m3
Balanced layer	Wood content	None
	Type	None
	Thickness	None
	Color	None
Bevel		4 sides micro bevel
Edges sealer		None
Locking system		Fall down-Tight lock
Type of installation		Floating
Backing	Type	Cork pad
	Thickness	1mm
Underfloorheating compatibility		Yes but under certain condition- See installation instruction manual

CHEMICAL COMPOSITION		
Formaldehyde emission		E0 / Carb2
PCP		≤ 1ppm
VOC (ISO 16000)		VOC A+
Prop 65		Pass

REACH	Ortho-phthalates	ND
	Lead	≤ 90ppm
	Mercury/ Chromium VI / Cadmium	ND
	SCCp (C10-C13)	ND
	Benzene/Xylene	ND
	Tributyl tin	ND
	PAHs	Meet requirement of product that can be put in mouth

SURFACE ANTIBACTERIAL PROPRIETY		
MRSA	SE+	Antibacterial coating > 99% bacteria reduction
ESBL		
E.Coli (Escherichia Coli)		
S.Aureus (Staphylococcus aureus)		

DIMENSIONAL TOLERANCE		
Thickness tolerance		+/- 0.2mm
Width tolerance		+/- 0.1mm
Length tolerance		+/- 0.5mm
Height difference		≤ 0.15mm
Gap between planks		≤ 0.20mm
Cupping up		≤ 0.15% of the planks width
Cupping down		≤ 0.2% of the planks width
End lift		≤ 0.5% of the planks length
Bowling		≤ 1.0% of the planks length
Squarness		≤ 0.25mm/ 305mm

PHYSICAL PROPRIETIES		
Heat exposure resistance 80°C/180°F	EN-434 ASTM F2199	≦ 2% / ≦ 15mm
Heat exposure resistance 60°C/140°F	EN-434 ASTM F2199	≦ 0.25% / ≦ 1mm
Swelling after submersion in water	EN 13329	≤ 0.1%
Glue water resistance	100°C/ 6h waterbath	Pass
Swelling rate from 10° to 45° C (50° to 113° F)	Factory testing	≤ 0.25%
Temperature change simulation	from 35 to 5°C (95° to 41° F)	max gap 0.25mm, max cupping 0.25mm
	from 10 to 45°C (50° to 113° F)	
Impact sound reduction (IIC)	ASTM E492-09	IIC=71
Sound transmission reduction (STC)	ASTM E90-09	STC = 75
Click strength (23°C)	Internal	≥180N/50mm
Thermal conductivity	EN 14041	0.95W/(m.k)
Fire resistance	EN 14041	Class Bfl -S1
Fire resistance (CHF)	ASTM E648/662	0.9 W/cm2 (Class I)

SURFACE PROPRIETY		
Class of use	EN 13329	Residential (class 23), Medium commercial (Class 32)
	Internal	≤ 0.015g/1000 rev
Abrasion	EN 13329	≥ 10000rev
	Internal	≥ 2500g
Scratch	EN 311	≥ 1.0N/mm2
	ASTM 1914	Average ≤ 20%
Surface soundness	EN 433	≤ 0.1mm
	EN 13329	≥ 1600mm
Indentation	EN 13329	≥ 1600mm
	EN 13329	≥ 1600mm
Impact resistance (big ball)	EN 13329	≥ 1600mm
	EN 13329	≥ 1600mm
Static load (250LBS/115KG)	ASTM F970	≤0.1mm
	ASTM F970	≤0.1mm
Sliperiness	EN14041	Dry COFD: >0.45
	EN14041	Wet COFD: NPd

GENERAL QUALITY RELATED NORMS		
Europe	EN 16511/EN 14041	
USA	ASTM F1700	