Grotto



PRODUCTINFORMATION

Species	European Oak
Surface texture	Smooth
Finish	Oil
Grade options	Plank: Prime, Refined, Premier 1-bis, Exclusive, Select, Balanced, Natural, Standard, Classical Herringbone grades: Refined, Balanced Chevron: Prime, Refined, Premier 1-bis, Select, Balanced, Natural, Classical Tile: Prime, Premier 1-bis Wall and Ceiling Panel: Prime, Refined, Premier 1-bis, Select, Balanced, Natural, Classical
Construction	**Duoplank®** Engineered

DIMENSIONS

Thickness	14*, 15, 20 mm (9/16"*, 5/8", 3/4")
Plank widths	110, 142, 180, 240, 300 mm (4 11/32", 5 9/16", 7", 9 1/2", 11 13/16")
Plank lengths	1080, 1230, 1480, 1800, 1980, 2230, 2480, 3000 mm (3'7", 48 7/16", 58 1/4", 70 7/8", 77 15/16", 87 13/16", 97 5/8", 9'10")
Herringbone dimensions	80 x 480 mm (3 5/32" x 18 29/32")
Chevron	45°: 110 x 550, 142 x 660 mm (4 11/32" x 21 21/32", 5 9/16" x 25 31/32") 60°: 110 x 510, 142 x 510 mm (4 11/32" x 20 1/16", 5 9/16" x 20 1/16")
Tile dimensions	Tailor made
Wall and Ceiling Panel widths	110, 142, 180, 240, 300 mm (4 11/32", 5 9/16", 7", 9 1/2", 11 13/16")

**Only available in 180 mm (7") width*

USAGE

Recommended usage	Suitable for use in all project sectors: Residential, Commercial, Hospitality, Retail, Yachting
Maintenance	Hakwood Clean & Hakwood Oil Care

INSTALLATION

Plank	Glue down 4-side tongue & groove
Herringbone	Glue down 1 side tongue, 2 side groove
Chevron	Glue down 1 side tongue, 2 side groove (includes left & right elements)
Tiles	Glue down 4 side groove
Wall and Ceiling Panels	Glue down or with a batten system 4-side tongue & groove

SUBFLOOR HEATING & COOLING

Compatibility	Guarantee available when installed and maintained in accordance with Hakwood Subfloor Heating & Cooling document

SUSTAINABILITY	TEST METHOD	CERTIFICATE/RESULT
FSC certified (Mix)	FSC-STD-40-004	FSC® Certicate-Code: SCS-COC-000609
Environment Product Declaration (EPD)	EN 15804 +A2 (+indicators A1)	MRPI Registration 1.1.00639.2024
Indoor Air Comfort Gold	Different European and Asian regulations	LEED, BREEAM and WELL Compliant
Indoor Air Comfort USA	CDPH/EHLB/Standard method V1.2	LEED Compliant
Ecovadis	Sustainability rating	Bronze (Top 35% worldwide)

ENGINEERED WOOD FLOORING STANDARD	TEST METHOD	CERTIFICATE/RESULT
CE (Conformité Européenne) European standard	EN 14342	CE Compliant
UKCA (United Kingdom Conformity Assessment) United Kingdom standard	EN 14342	UKCA Compliant
NWFA (National Wood Flooring Association) United States standard	ANSI/HPVA EF2009	NWFA Compliant

LOW EMITTING MATERIALS	TEST METHOD	CERTIFICATE/RESULT
E1 certificate	EN 717-7	E1 compliant & E2 compliant
California Air Resources Board (CARB) Certificate for formaldehyde	ASTM E1333	CARB 2 Compliant
Émissions dans l'air intérieur A + label France national Volatile Organic Compound(VOC) A+ label	ISO 16000p 3,6,9	A+ very low-emission
AgBB German label for low emissions	ISO 16000	AgBB Compliant
CA 01350 California Section 01350 Test for VOC Emissions	CDPH/EHLB/Standard method V1.2	LEED Compliant

SLIP RESISTANCE		TEST METHOD	CERTIFICATE/RESULT
	Unpolished Slip Resistance Value	CEN/TS 15676	59 USRV
	Anti-slip property Angle of acceptance	DIN 51130	R9 (range 6°-10°)
	Anti-slip property Angle of inclination	DIN 51097 / GUV-I 8527	B

SOUND REDUCTION		TEST METHOD	CERTIFICATE/RESULT
	Impact sound reduction	EN ISO 140-8 EN ISO 717-2	15mm (5/8"): 16dB [Lw] 20mm (3/4"): 14dB [Lw]

SCRATCH RESISTANCE		TEST METHOD	CERTIFICATE/RESULT
	Scratch resistance	DIN 68861	4E

REACTION TO FIRE		TEST METHOD	CERTIFICATE/RESULT
	EN14342 Wood flooring - characteristics, evaluation of conformity and marking	EN 13501-1	14mm (9/16"): Dfl-s1 15mm (5/8"): Cfl-s1 20mm (3/4"): Cfl-s1
	Flame spread & smoke development	ASTM E648	15mm (5/8"): Class II 20mm (3/4"): Class II

The Netherlands
+31 183 504 266
sales@hakwood.com

United States
+1 630 219 3388
ussales@hakwood.com

Dubai
+971 555 069 524
hwme-sales@hakwood.com

HAKWOOD