

Vermont Collection

Technical Data Sheet · Engineered Wood Flooring with HDF Core · Click Installation · approx. 11mm

Flooring panel with fine wood top layer · Water-resistant · Antibacterial surface · Suitable for underfloor heating

1	SURFACE TREATMENT	Formaldehyde-free, viscoplastic UV-hardened acrylic lacquer — ultra matt finish, especially durable and easy to clean. Treated ready for residential use.
2	REAL WOOD COVERING LAYER	Fine wood top layer — natural timber surface
3	WOOD POWDER LAYER	Structural wood powder composite layer
4	HDF MIDDLE LAYER	High-density fibreboard core approx. 930 kg/m³ (± 3%)
5	MOISTURE-RESISTANT EDGE IMPREGNATION	Waterproof edge sealing treatment — 24-hour protection against standing water
6	WOOD POWDER BACKING	Wood powder backing layer with real wood cover

PRODUCT SPECIFICATIONS			
Total thickness	approx. 11 mm	Format (L × W)	2200 × 270 mm
Installation method	Click system — floating or fully glued down	Areas of application	Residential (heavy wear) & Commercial (normal wear)
Water resistance	24-hour protection against standing water	Humid rooms	Suitable (not outdoor / wet rooms / saunas)

Test / Property	Standard	Result / Value
FIRE & SAFETY		
Fire behaviour	EN 13 501	B _{fl} -s1 (hardly flammable)
Formaldehyde emissions	EN 717-1	≤ 0.05 ppm (Class E1)
Pentachlorophenol (PCP) content	CEN/TR 14 823	≤ 5 × 10 [■]
Anti-slip classification (oak)	DIN 51 130 / BGR 181	R10
SURFACE & MECHANICAL PERFORMANCE		
Indent resistance — Oak (Brinell)	EN 1534	≥ 100 N/mm²
Indent resistance — Walnut (Brinell)	EN 1534	≥ 85 N/mm²
Antibacterial surface — Staphylococcus aureus ATCC 6538P	ISO 22196	Significant (2 ≤ A < 3)
Antibacterial surface — Escherichia coli ATCC 8739	ISO 22196	Strong (A ≥ 3)
THERMAL & ACOUSTIC		
Heat transfer resistance	EN 12 664	0.075 (m²·K)/W
Heat transfer resistance — with acoustic underlay	EN 12 664	0.084 (m²·K)/W
Thermal conductivity	EN 12 664	0.143 W/(m·K)
Footfall noise reduction — with acoustic underlay	DIN EN ISO 10140-3	16 dB
UNDERFLOOR HEATING & COOLING		
Hot-water underfloor heating	Max. surface temp. 29 °C	Suitable
Electric underfloor heating (screed / concrete embedded)	Max. surface temp. 29 °C	Suitable
Electric foil heating (standard)	—	Not recommended
Self-regulating electric heating (29 °C max.)	Max. surface temp. 29 °C	Suitable
Underfloor cooling	See separate Floor Gallery installation guide	Suitable
ENVIRONMENTAL & SUSTAINABILITY		
Blue Angel eco-label	RAL-UZ 176	Awarded

Test / Property	Standard	Result / Value
Sustainability certification	PEFC Certified	Complies
Eco Institut emissions label	Eco Institut — M1 class	Tested — Complies
Disposal — small quantities	—	Household refuse / thermal treatment
Disposal — large quantities	—	Municipal recycling provisions
INSTALLATION		
Installation method	Click system — floating or fully glued down	Both options
Substrate requirements	DIN 18 356 / DIN 18 202	Dry, flat, firm and clean
Max. substrate moisture (mineral)	CM device measurement	≤ 2.0 %
Max. substrate moisture (anhydrite screed)	CM device measurement	≤ 0.5 %
Substrate flatness tolerance	DIN 18 202, Table 3 Line 4	≤ 3 mm/first metre ≤ 2 mm/subsequent metre
Partial-area UFH heating — expansion joints required	System profile strips	Required

NOTES: Water resistance applies to 24-hour protection against standing water; product is not suitable for outdoor areas, wet rooms, saunas, shower cubicles, steam rooms or rooms with floor drains. Standard foil heating systems are generally not recommended; self-regulating systems maintaining ≤ 29 °C surface temperature are acceptable. Where partial-area underfloor heating is present, expansion joints (system profile strips) are required. For underfloor cooling installations, refer to the separate Floor Gallery installation guide. Technical specifications are subject to change without notice.