

Use: Light Commercial / Residential flooring installations. Suitable for all living areas as well as for commercial areas with normal wear, (offices, waiting rooms, boutiques, etc.). The flooring is not suitable for installation in humid rooms (bathrooms, saunas, etc.).
Suitable for hot-water underfloor heating. Standard foil heating systems are generally not recommended. (Exception self-regulating heating systems which maintain a 79 °F (26 °C) surface temperature)

Recommended Installation:

Floating installation, Välinge 2G/5G® Locking System
Underlayment material: Maverick Underlayment.
Foam with CS > 60 kPa & CC > 5 kPa. (According to CEN / TS 16354)

Construction/Species:

Wear Layer: 0.6mm (0.024") Sliced European White Oak
Moisture Resistant HDF Fiber Core, Backing Layer: Birch Veneer, Micro-beveled Edges.

Dimensions:

Width: 8.268" (210mm) Thickness: 0.441" (11.2mm) Length: 86.61" (2200mm)

Hardness:

Resin reinforced wear layer. Resists dents and wear marks. Extreme impact resistance.
Modified Rockwell hardness: 85 to 105. Corresponding Janka Range: 5917 to 7357.
Brinell hardness: EN 1534. Result – 8 HB (Typical value)
Impact resistance: EN 14354:2017. Result – EC3

Colors: 9 Standard. Keswick, Afton, Blue Ridge, Vienna, Ivy, Crozet, Scottsville, Middleburg, Charlottesville.

Finish / Gloss:

Standard UV-Cured finish. Deep matte finish. Gloss level (60°) is 3-5.
Taber Abrasion Resistance. EN 13329 Annex E (sandpaper method) – 650 cycles.

Effect of Household Chemicals on the Finish (ASTM D1308-02): 16 hour exposure and then cleaned with Nydree Natural Multi-Surface Cleaner.

All of the following chemicals showed no visible change:

<u>Refrigerator</u>	<u>Medical/Cleaning</u>	<u>Chemicals</u>	<u>Misc.</u>
Cold Water	Ethyl Alcohol	Acetone	Lighter Fluid
Hot Water	(Hand Sanitizer & Alcohol Wipes)	10% Sodium Hydroxide	10W-30 Motor Oil
Vinegar	Undiluted Bleach	30% Sulfuric Acid	
Red Grape Juice	Lysol		
Olive Oil	Undiluted Ammonia		
Ketchup	3M Neutral Quat Disinfectant (0.5 oz./gal)		
Coffee	3M HB Quat Disinfectant (0.35 oz./gal)		
Tea	Hydrogen Peroxide		
Cocoa	Super Shine-All APC		
Coke	1% Dawn Dish in Water		
Orange Juice	1% Ivory Bar Soap in Water		

The only reagent that showed a slight stain was Mustard.

Acoustic Properties (ASTM E90 and E492):

Subfloor	Flooring System	Ceiling	STC	IIC
8" Concrete	Nydree Maverick Flooring with Underlayment	None	55	55
8" Concrete	Nydree Maverick Flooring with Underlayment	Insulated Ceiling	63	63

Fire: EN 13501. Result – Bfl-S1 (Hardly flammable)
ASTM E648. Average Critical Radiant Flux (CRF) = 0.82 watts/cm². Class I.
ASTM E662. Smoke Density = Less than 450.
ASTM E84. Class C.

Thermal Conductivity:

ASTM C518. Result – 0.1799 W/(m•K) or 1.2472 BTU•in/(hr•ft²•°F)

Environmental / LEED Info:

Formaldehyde Emission. EN 717-1. Result – E1 (CARB2 Compliant).

Warranty:

Limited Lifetime Structural Defect.

UV-Cured Acrylate Finish Limited Wear Through: Light Commercial: 10 yrs., Hotel Guest Rooms: 5 yrs., Residential: 50 yrs.

Care & Maintenance:

Nydree Dust Mop Treatment and Nydree Natural Multi-Surface Cleaner.

Recoating: The Bona Prep® recoating system is recommended. System is Greenguard Certified.

Accessories: Solid Hardwood, Reducers, T-moulding, Quarter Round, Wall Base as well as Stair Nosing, Stair Treads and Risers stained to match flooring.

Packaging:

Width x Length	8.268" x 86.61"
Boards / box	4
Square Feet / box	19.91
Square Feet / pallet (50 boxes)	995.5
Weight / box (lbs.)	40.8