

**Wilsonart® Flooring
Estate Plus Technical Data**

Availability Summary

Dimensions	46.45" x 7.70" x 0.330" (1180 x 196 x 8.40 mm)
Carton Coverage	8 planks per carton ~20.0 sq. ft. (1.86 sq. m.)
Surface Finish/Glossometer Readings (60 degree)	Everyday Luster – High Sheen/Woodgrain (71) MD 61 ± 5 CD 48 ± 5 Everyday Luster – Low Sheen/Woodgrain (74) MD 20 ± 3 CD 17 ± 3 Everyday Luster – High Sheen/Woodgrain (75) MD 58 ± 6 CD 39 ± 6
Warranty	Lifetime Residential (wear, fade, stain, topical water) 10 year Commercial (wear, fade, stain) 1 year Residential or Commercial (Internet purchases)

(1) Performance Tests

	Reference Standard	Typical Result
Static Load Limit	NALFA LF-01-2003 3.1	≥ 2,000 psi
Thickness Swell	NALFA LF-01-2003 3.2	≤ 7 %
Light Resistance	NALFA LF-01-2003 3.3	No Effect
Cleanability / Stain	NALFA LF-01-2003 3.4	6 / No Effect
Impact Resistance		
Large Diameter Ball Impact (224 g)	NALFA LF-01-2003 3.5	160 inches (4,064 mm)
Small Diameter Ball Impact (25 g)	NALFA LF-01-2003 3.6	30.1 inches (765 mm)
Radiant Heat	NEMA LD 3 3.10	> 200 seconds
Wear Resistance (Taber Abrader)	NALFA LF-01-2003 3.7	≥ 2,500 cycles
Castor Chair Resistance	NALFA LF-01-2003 3.9	> 25,000 cycles

Slip Resistance

	Test Result
ASTM C 1028	Wet and Dry $\mu \geq 0.8$
(2) ADA Mark 1 Protocol	$\mu \geq 0.8$
ASTM D 2047 (neolite sole)	$\mu \geq 0.7$

Sound Tests

ASTM E 90 (Sound Transmission Class) Classified by E 413 1.5" Gyp-crete over plywood subfloor/ceiling assembly	Estate Plus achieves an STC value of 51 or greater when tested over WA 2-In-1 Padding, WA Commercial Cushion, and WA Acoustic Cushion.
ASTM E 492 (Impact Insulation Class) Classified by E 989 6" Concrete slab with ceiling assembly	Estate Plus achieves an IIC rating of 55 or greater when tested over WA 2-In-1 Padding, WA Commercial Cushion, and WA Acoustic Cushion.

Fire Behavior

ASTM E 648 (Critical Radiant flux)	Type 1
ASTM E 662 (Smoke Density)	Flaming and Non-flaming ≤ 450

Environmental

(3) ASTM E 1333 (Formaldehyde Release)	≤ 0.10 ppm free formaldehyde
(4) Greenguard Certification	Certified

(1) Estate Plus meets or exceeds all minimum performance values listed in the North American Laminate Flooring Association (NALFA) Standards Publication LF-01-2003, Certification Level 2, Light Commercial.

(2) Americans with Disabilities Act (ADA)

⁽³⁾ Estate Plus achieved test values below the voluntary ANSI A208.2 standard of 0.30 ppm free formaldehyde by ASTM E-1333-90, Large Chamber. The State of California “Proposition 65” regulation for formaldehyde exposure is less than 40 micrograms/day for average daily consumer exposure. Estate Plus formaldehyde emissions are below this limit and do not trigger an exposure warning.

⁽⁴⁾ GREENGUARD® Certification Standards for Low Emitting Products for the Indoor Environment:

The Greenguard Environmental Institute (GEI) has established performance based standards to define goods with low chemical and particle emissions for use indoors, primarily building materials, interior furnishings, furniture, cleaning and maintenance products, electronic equipment, and personal care products. The standard establishes certification procedures including test methods, allowable emissions levels, product sample collection and handling, testing type and frequency, and program application processes and acceptance.

GREENGUARD Allowable Emission Levels; All products are tested in dynamic environmental chambers following ASTM standards D-5116-97 and D- 6670-01, the U.S. Environmental Protection Agency's testing protocol for furniture and the State of Washington's protocol for interior furnishings and construction materials. Products are measured for emission levels, which must meet the following indoor air concentrations within 5 days of unpackaging. Air concentrations are based on the product being in a room 32 m³ in volume with an outdoor air concentration of 0.8 air changes per hour (ACH). Maximum allowable emission levels are those required by the state of Washington's indoor air quality program for new construction, the US Environmental Protection Agency's procurements specifications, the recommendations from the World Health Organization, and Germany's Blue Angel Program for electronic equipment. When multiple emission values are recommended, the lesser or more stringent is used as the acceptable emission value for GREENGUARD certification.