Wilsonart® Flooring

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Red Label Technical Data

Availability Summary

7.7 inch Planks Dimensions Carton Coverage	 46.45” x 7.70” x 0.330” (1180 x 196 x 8.40 mm) 8 planks per carton ~20.0 sq. ft. (1.86 sq. m.)
5 inch Planks Dimensions Carton Coverage	 46.45” x 4.97” x 0.330” (1180 x 126 x 8.40 mm) 8 planks per carton ~12.8 sq. ft. (1.19 sq. m.)
3.5 inch Planks Dimensions Carton Coverage	 46.45” x 3.6” x 0.330” (1180 x 91.5 x 8.40 mm) 16 planks per carton ~18.6 sq. ft. (1.73 sq. m.)
Tiles Dimensions Carton Coverage	 15.45” x 15.45” x 0.330” (392 x 392 x 8.40 mm) 9 tiles per carton~15.0 sq. ft. (1.39 sq. m.)
Surface Finish/Glossometer Readings (60 degree)	Hand Scraped (42) MD 27 ± 5 CD 21 ± 5 Distressed (43) MD 25 ± 5 CD 21 ± 5 Natural Slate/Tile (44) MD 19 ± 8 CD 19 ± 8 Grain-Match (46) MD 48 ± 5 CD 48 ± 5 [pending] 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	Residential Limited Lifetime (wear, fade, stain, topical water) 10 year Commercial (wear, fade, stain) 1 year Residential or Commercial (Internet purchases)
Edge Surface	Produced with or without Micro Bevel on all 4 sides. Bevel paint available on some patterns.

(1)Performance Tests
Reference Standard

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 Small Diameter Ball Impact (25 g) NALFA LF-01-2003 3.6	 160 inches (4,064 mm) 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
NALFA Classification	Light Commercial

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[1]Slip Resistance	Test Result	Distressed	Hand Scraped
ASTM C 1028	Wet and Dry $\mu \geq 0.8$	Wet $\mu \geq 0.6$ Dry $\mu \geq 0.7$	Wet and Dry $\mu \geq 0.8$
[2] ADA Mark 1 Protocol	$\mu \geq 0.8$	$\mu \geq 0.9$	$\mu \geq 1.0$
ASTM D 2047 (neolite sole)	$\mu \geq 0.7$	$\mu \geq 0.7$	$\mu \geq 0.7$

Acoustic Tests

ASTM E 90 (Sound Transmission Class) Classified by E 413 1.5 ” Gyp-crete over plywood subfloor/ceiling assembly	Red Label 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	Red Label 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 $\leq$ 450

Environmental

[3] ASTM E 1333 (Formaldehyde Release)	$\leq$ 0.10 ppm free formaldehyde
[4] Greenguard Certification	Certified

[1] Red Label meets or exceeds all minimum performance values listed in the North American Laminate Flooring Association (NALFA) Standards Publication LF-01-2003. All Red Label categories meet or exceed NALFA Certification Level 2, Light Commercial.

Due to variations within large production sheets of material, static load limits, wear resistance, castor chair resistance and slip resistance of heavily textured finishes (42, 43 and 44 finish) may be lower than listed values.

[2] Americans with Disabilities Act (ADA)

[3] Red Label 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. Red Label 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 m^3 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.