

Specification Sheet Rigid Core Luxury Vinyl Flooring

Last update: 1/30/2019 Bevel Lock Layer Top Layer Core Backing Layer Total CERTIFICATIONS & CHEMICAL PROPERTIES Norm
EN 14041
Decret No2011-321
GreenGuard Gold
Prop 65
CPSIA
EU REACH Regulation EN 14041 Requirement

AWALE Co LSN (commercial)

6 0.35% of nominal lendth up to 0.5 mm max.

6 0.10% of nominal width up to 0.5 mm max.

9 0.10% of nominal width up to 0.5 mm max.

9 0.10mm (0.05mm/3 e000mm

6 0.35mm/3 e000mm

6 0.35mm/3 e000mm

6 0.10% (convex) = 1.0% (convex)

0.15mm

6 0.10% (convex) = 0.15% (convex)

1.5% (PHYSICAL PROPERTIES ISO 24342 ISO 10582 Appendix B ISO 10582 Appendix C ISO 10582 Appendix D ISO 13329 APPENDIX APPEN Resistance to Heet

Locking strength

Wear resistance
Impact Resistance to staining
Swelling
Dimensional variation due to clima
Surface Integryi
Resistance to Staining
Swelling
Impact Resistance
Impact Swelling
Impact Sund Transmission
Impact sound transmission
Reduller Leafe

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Rolling Load Fire Resistance (CHF)

LEED SCORECARD

LEED was developed to address all buildings everywhere, regardless of where they are in their life cycle. From hospitals to data centers, from historical buildings to those still in the design phase, there is a LEED certification programm (or every building, Dur products will contribute value to a building's LEED or scorecard in the following LEED certification programm categories recognized by the USGBC as per following

EED Programme Certifcation	Category	Credit Title	LEED Points Attainable	Credit Description	How our product contributes to obtaining LEED points
BD+C	Indoor Environmental Quality	Credit 1: Enhanced Indoor Air Quality Strategies – Option 2 Additional Enhanced IAQ Strategie - option D	1 point ID&C, 2 points Retail CI	To reduce concentrations of chemical that can damage air quality, human health, productivity, and the environment.	Formaldehyde emission are less than O.05mg/m3, TVOCs are less than 0.5mg/m3. The product is GreenGuard Gold certified
Building Design and Construction		Credit 2: Low-Emitting Materials – Option1 Flooring	1 point		VOC emission are less than 0.5mg/m3. The products is GreenGuard Gold certifie
		Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 points	To establish better quality indoor air in the building	Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3 The product is GreenGuard Gold certifier
		Credit 9: Acoustic Performance	2 points	To provide effective acoustic design	The product has a high acoustic performan Rw and Ln,w test report are available on request
	Material & Resource	Credit 4: Material ingredient— Option 2 Credit 6 – PBT source reduction: lead, cadmium and copper	1 point 1 point	Minimize the use and generation of harmful substances To reduce the release of persistent, bioaccumulative, and toxic chemicals	The product is 100% REACH compliant
O+M Illing Operations and Maintenance	Material & Resource	Credit 3: Purchasing - Facility maintenance and renovation	1 point	To reduce the environmental harm from materials used in building renovations	The product is 100% REACH compliant Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. Test repost according to ISO 16000 is available on request. The product is GreenGuard Gold certifie.
HOMES	Indoor Environmental Quality	Credit 2: Contaminant Control – Option 4 Air Testing	1 point	Demonstrate that contaminants do not exceed concentration levels listed	The products is GreenGuard Gold certified
Homes		Credit 7: Low-Emitting Materials	0.5 point	To reduce occupants' exposure to airborne chemical contaminants	The product is GreenGuard Gold certified and meet the requirements of CA Section 01350. The product is made with ULEF or nadded formaldehyde material
	Material & Resource	Prerequiste – Durability management	0 point (Prerequiste)	To promote durability and performance of the building	The product is water resistant
	Indoor Environmental Quality	Credit 1: Enhanced Indoor Air Quality Strategies – Option 2 Additional Enhanced IΔΩ Strategies - option D	1 point ID&C, 2 points Retail CI	To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment	Formaldehyde emission are less than O.05mg/m3, TVOCs are less than 0.5mg/m3 The product is GreenGuard Gold certifie
ID+C		Credit 2: Low-Emitting Materials – Option1 Flooring	1 point		VOC emission are less than 0.5mg/m3. The products is GreenGuard Gold certified.
Interior Design and Construction		Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 points	To establish better quality indoor air in the building	Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3 The product is GreenGuard Gold certifie
		Credit 9: Acoustic Performance	2 points	To provide workspaces and classrooms effective acoustic design	The product has a high acoustic performan Rw and Ln,w test report are available on request
	Material & Resource	Credit 4: Material ingredient- Option 2	1 point	Minimize the use and generation of harmful substances	The product is 100% REACH compliant

ONECARD

The WELL Building Standard is founded on the understanding that facets of our environment interact with personal, genetic and behavioral factors to shape our overall health and well-being. By compiling leading practices in building design and management and referencing existing standards and best practice guidelines set by governmental and professional organizations, WELL works to harmonite and clarify existing thresholds and requirements.

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Facet		Feature	Part	Requirements	Concept score	How our product contribute to obtain WELL level certification		
,	AIR	01. Air quality standards	1. Standards For Volatile Substances	The following conditions are met: a. Formaldehyde levels less than 27ppb (0.027ppm)	PRECONDITION	 a. Formaldehyde emission are less than 0.05mg/m3. 		
				b. Total volatile organic compounds less than S00ug/m3 (0.5mg/m3)		b. The total volatile organic compounds are less than 0.5mg/m3.		
		04. VOC Reduction	1. Interior Paints and Coatings	The VOC limits of newly applied paints and coating meet one of the following requirements:	PRECONDITION	a. The VOC limits for California Air Resources Board (CARB) are less than 0.11ppm.		
				a. 100% of installed products meet California Air Resources Board (CARB) 2007, Suggested Control Measure (SCA) for Architectural Coatings, or South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011 for VOC content.		b. Measured Concentration of Total Volatile Organic Compounds (TVOC). Less than-fequal to 0.5 mg/m3 (in compliance with CDPM/EHLB Standard Method v1.1-2010). The product is GreenGuard Gold certified		
				b. At minimum 90%, by volume, meet the California Department of Public Health (CDPH) Standard Method v1.1-2010 for VOC emissions				
			3. Flooring	The VOC emissions of all newly installed flooring must meet all limits set by the following, as applicable: a. California Department of Public	PRECONDITION	Conforms to the CDPH/EHLB Standard Method v1.1-2010 (California Section 0.1350), effective January 1, 2012, for the school classroom and private office parameters when modeled as Flooring.		
				Health (CDPH) Standard Method v1.1-2010.		The product is GreenGuard Gold certified		
		11. Fundamental Material Safety	1. Asbestos and Lead Restriction	All newly-installed building materials meet the following materials composition requirements: a. No asbestos. b. Not more than 100 ppm (by	PRECONDITION	a. No asbestos b. The product contain less than 100 ppm.		
			2. Lead Abatement	weight) added lead. For repair, renovation or painting on buildings constructed prior to any applicable laws banning or restricting lead paint, lead evaluation and abatement.	PRECONDITION	The product contain less than 90 ppm.		
			3. Asbestos Abatement	To reduce hazards in buildings constructed prior to any applicable laws banning or restricting asbestos, the following testing, evaluation and abatement.	PRECONDITION	The product contain less than 90 ppm.		
		25. Toxic Material Reduction	2. Flame Retardant Limitation	Halogenated flame retardants are limited in the following components to 0.07% (100 ppm) to the extent allowable by local code: a. Window and waterproofing membranes, door and window frames and siding. b. Flooring, ceiting files and wall coverings. C. Piping and electrical cables, conduits and junction boxes. d. Sound and thermal insulation.	OPTIMIZATION	The product don't contain halogenated flame retardants		
			3. Phthalate (Plasticizers) Limitation	e. Upholstered furniture and furnishings, textiles and fabrics. DEHP, DBP, BBP, DINP, DIDP or DNDP (offeet found in polyienty choicide [PVC] are limited in the following components to 0.01% (100 ppm): a. Flooring, including resilient and hard surface flooring and carpet. b. Vall coverings, window blinds and shades, shower curtains, furniture and upholstery.	OPTIMIZATION	In accordance with US Consumer Product Safety Improvement Act 2008 (CFSIA) (IR. AGAD) Title I, Section 108 & California Proposition 65 & Anear XV II Item 158.52 of the REACH Regulation (EC (No. 1907/2006 and amendment No. 527/2009, the product contains less than 100ppm.		
			5. Urea-Formaldehyde Restriction	c. Plumbing pipes and moisture barriers. Urea-formaldehyde presence is limited in the following components to 100 ppm: a. Furniture or any composite wood products. b. Laminating adhesives and resins. c. Thermal insulation.	OPTIMIZATION	The product contains urea-formaldehyde less than 100ppm.		

Comfort 74. Exterior Noise Intrusion Part 1. Sound Pressure Level

79. Internally Generated Part 1. Sound Masking Limits
Noise

Each regularly occupied space meets the following sound pressure level as mesured when the space and adjacent spaces are unoccupied, but within 1 hour of normal business hours a level from outside notice intrusion does not exceed 50 dB. If sound masking systems are outset, sound levels following range, when measured from the nearest workspace:

a. Open workspaces: 45 - 48 dBA.
b. Enclosed offices: 40 - 42 dBA.

1. The product has $L_{\rm II,w}$ = 42db according to the standard ISO 10140-3 2. The product has Rw = 67db according to the standard ISO 10140-2

The product has Ln,w = 42db according to the standard ISO 10140-3
 The product has Rw = 67db according to the standard ISO 10140-2

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