HARBINGER WATERPROOF ENGINEERED RIGID VINYL PLANK ACOUSTIC CLICK

Performance Criteria	Test Method	Requirement	Harbinger Result
Classification	ASTM F1700-04	ASTM F1700 Standard Specification for Solid Vinyl Floor Tile	Class III Type B Embossed Surfaces
FloorScore	Scientific Certification Systems (SCS)	FloorScore Indoor Air Quality (IAQ)	Meets IAQ of LEED, CHPS and Green Guide for Health Care
FloorScore - Phenol	(SCS)	Allowable concentration 100 (µg/m³)	Phenol free wear layer
VOC	State of California DOHS R-174	Volatile Organic Compound and Aldehyde Emissions test. Allowable: 500 mg/m³.h	44 µg/m³.h Less than10% of allowable level
Critical Radiant Flux	ASTM E648-10	Class 1, 0.45w/cm² or higher	Pass; Class 1
Smoke Density (flaming)	ASTM E662-09	Specific optical density max. 450	Pass; < 357
Smoke Density (non-flaming)	ASTM E662 -09	Specific optical density max. 450	Pass; < 339
Slip Resistance	ASTM D2047	Static coefficient of friction: OSHA min. 0.5; ADA (guideline) min. 0.6	Pass 0.90 (wet); compliance varies with surface texture
Heavy Metal Content	ASTM F963	Best = no detectable heavy metals	No detectable heavy metals <1.5mg/kg
Phthalate	CPSC-C1001-09.3	Meet CPSA Guideline	Exceeds CPSA guideline. Harbinger is phthalate free.
Static load limit	ASTM F970	Specified load 250lbs	Residual compression 0.004 inch
Flexibility	ASTM F137	No cracks/breaks	Pass; 6mm Mandrel
Color Fastness (heat)	ASTM F1514	Max. average delta E of 8	Pass
Color Fastness (light)	ASTM F1515	Max. average delta E of 8	Pass
Quality Control Management	ISO 9001 achieved	Environmental Management	ISO 14001 achieved
Heat Stability	ASTM F1514	Less than 8.0 Delta E	Pass
Residual Indentation	ASTM F1914-98	Specified load 140lbs	0.006 inch (3.5%)
Stain and Chemical Resistance	ASTM F925-2	Best = no change	No change
Dimensional Stability	ASTM F2199	< 0.10%	Pass, < 0.08%
IIC (Impact Insulation Class)	ASTM E492	Recommended IIC of 50 for commercial buildings	IIC 70 tested on 6" concrete
STC (Sound Transmission Coefficient)	ASTM E90-09 ASTM E413-10	Recommended STC of 50 for commercial buildings	STC 67 tested on 6" concrete
Radiant Heat Suitability	-	Suitable for under floor heating	Up to 28°C (82°F)

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN LEED v4		
Building Design and Construction: New Construction LEED v4	Building product disclosure and optimization – Environmental Product Declarations (EPD) (up to 2 points)	Harbinger Environmental Product Declaration (EPD) accredited by SCS Global Services
Building Design and Construction: New Construction LEED v4	Building product disclosure and optimization – material ingredients (up to 2 points)	Harbinger Health Product Declaration (HPD) accredited by SCS Global Services
Building Design and Construction: New Construction LEED v4	Certified Multi-Attribute Products and Material (possible 1 point)	Harbinger NSF/ANSI 332 Gold Certification Third Tier certification, moving toward best practices
Building Design and Construction: New Construction LEED v4	Low emitting materials (up to 3 points)	Harbinger Flooring is FloorScore certified Harbinger S900 adhesive VOC compliant
Building Design and Construction: New Construction LEED v4	Verified Construction and Demolition Recycling Rates (possible 1 point)	Harbinger is fully recyclable

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Harbinger™

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Health Product DECLARATION

VERIFIED by SCS GLOBAL SERVICES — ENVIRONMENTAL PRODUCT DECLARATION

COMMITTED TO PRODUCT TRANSPARENCY

Harbinger is committed to an environmentally and socially responsible business practice. To ensure highest quality product, Harbinger is made with bio-based plasticizer and virgin PVC. This guarantees a product free of heavy metal, phthalate and phenol.

FEATURES & BENEFITS	
Dimension	7" x 48"and 12" x 24"
Thickness	5.5mm
Wear Layer	0.55mm
Edge	Four sided painted bevel
Construction	High pressure heat laminated
Application	Heavy commercial floating floor
Coating	Ceramic Bead Urethane coating provides added protection against scuffs and abrasion
Textures	Realistic embossing textures allow you to see the grain and knots as evident in real wood
Grade Level	Suitable for all interior floor surfaces, above, on or below grade
Acoustic Properties	Barefoot friendly with attached crosslinked IXPE underlay. Provides warmth and sound reduction within the room, and on the floors below

DIV 9

LIFETIME LIMITED RESIDENTIAL WARRANTY · 20 YEARS COMMERCIAL WARRANTY · WATER PROOF · SOFT & WARM UNDERFOOT · RADIANT HEAT SUITABLE · EASY INSTALLATION · FIBER MESH CORE · NO GLUE REQUIRED · QUIET FOR CONDOS