







INNOVATION

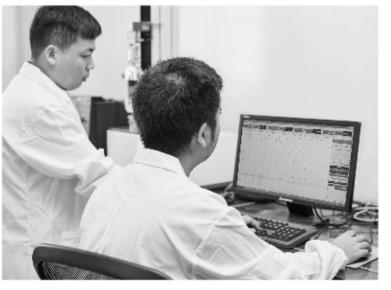
We pride ourselves in the continuous pursuit of excellence in our flooring business. Our ongoing pursuit of new innovations in technologies, approaches, methodologies and processes keeps us at the forefront of the flooring industry. We have a research institute consisting of 5 Physics Labs and 2 chemistry labs, which makes Halead one of the world's most research-intensive flooring enterprises.





NEW CAPACITY

In 2017, we invested 50 million USD to build a brand-new flooring factory to meet the fast-growing demand from our global customers, HALEAD FLOORING is becoming a top, global vinyl flooring brand.



EXCELLENCE

Halead is also the world's leading material manufacturer for auto safety air bags and safety belts, The Halead Flooring Division also strives for perfection in quality and timely service. Our innovative research and development teams use the most up-to-date solutions. Our standards for excellence enable our clients to pass these benefits on to their own customers.



Loose lay vinyl flooring is produced with a unique anti-slip backing, the installation process is simple, the planks or tiles are installed by butting the edges tightly. This provides for an impressive finished look, but also provides a high degree of stability. This flooring therefore does not require adhering to the subfloor or the expensive subfloor preparation that traditional flooring needs. Larger installations may require adhesive around the perimeter. Expansion gaps may not be required.

Test Items	Standard	Result
Appearance / Color Match	Master Sample	Match
Thickness		4.0 / 4.5 / 5.0mm (n±0.15mm)
Thickness of wear layer	EN428	0.3 / 0.5 / 0.56 / 0.7mm
Plank Length		n<300mm; ±0.1mm
Plank Width	EN427	n≥ 300mm; ±0.3mm
Squareness	CI4+21	≤0.26mm
Edge straightness		≤0.25mm
Fire Rating - Flame Spread - CRF	ASTM E848	Class I (> 0.45 W/cm2)
Fire Rating – Smoke Evolution – OSD	ASTM E662	Class 1 (< 450)
Water Absorption	ASTM D570-98	≤3%
Impact Sound Reduction	ASTM E2179-09	∆IIC 15
Dynamic coefficient of friction	EN 13893:2002	0.89
Flexibility	ASTM F137-08	No crack or break when using Φ25.4mm mandrel
Gloss unit	ASTM D628	Target±1°
Dimensional Stability	EN434	≤0.12%
Curling After Exposure to Heat	EN434	≤1.2mm
Assmbled gap	EN13329	≤0.20mm
Height Difference (Assembled)		≤0.20mm
	EN 13329 (S-42, 200 cycle change)	Wear Layer Thickness 0.3 mm:IP ≥ 1800 cycles
Wear Resistance		Wear Layer Thickness 0.5 mm:IP ≥ 4000 cycles
		Wear Layer Thickness 0.7 mm:IP ≥ 6000 cycles
Gloss Retention	EN 16094A	≥2 grade
Micro-scratch Resistance	EN 16094B	≥2 grade
Phthalate	CA Prop 65	≤1000PPM

UV coating: anti-scratch coating / anti-microbial coating / stain- resistant coating / slip resistance coating R10

Brai S D O S

UV coating Wear layer **Printing layer** Middle layer Fiberglass **Bottom layer** Slip resistance layer



RSVP FLOORING (Rigid Core LVP) is an upgrade and improvement of regular luxury vinyl tiles (LVT). The primary core material is SPC which is a very stable composite material.

RSPV flooring is considered the new generation of vinyl floor covering. It features: extreme stability, high performance, is completely water-proof, has a high density solid core and very good indentation resistance. RSVP flooring can be easily installed on most types of subfloors, including concrete, ceramic or existing flooring.

Test Items	Standard	Result
Appearance / Color Match	Master Sample	Match
Thickness	EN428	4.0 / 5.0 / 6.5 / 6.8 / 7.0mm (n±0.16mm)
Thickness of wear layer	E14420	0.3 / 0.5 / 0.55 / 0.7mm
Plank Length		n<300mm; ±0.1mm
Plank Width	EN427	n≥ 300mm; ±0.3mm
Squareness	EIN+27	≤0.15mm
Edge straightness		≤0.15mm
Lock Strength	Halead Standard	Thickness≥5.0mm:≥160N/5cm Thickness<5.0mm:≥120N/5cm
Fire Rating - Flame Spread - CRF	ASTM E848	Class I (> 0.45 W/cm2)
Fire Rating – Smoke Evolution – OSD	ASTM E662	Class 1 (< 450)
Water Absorption	ASTM D570-98	≤3%
Gloss unit	ASTM D523	Target±1°
Dimensional Stability	EN434	≤0.12%
Curling After Exposure to Heat	EN434	≤1.2mm
Assmbled gap	EN13329	≤0.16mm
Height Difference (Assembled)		≤0.16mm
Wear Resistance	EN 13329 (S-42, 200 cycle change)	Wear Layer Thickness 0.2 mm:IP ≥ 1000 cycles Wear Layer Thickness 0.3 mm:IP ≥ 1800 cycles Wear Layer Thickness 0.5 mm:IP ≥ 4000 cycles Wear Layer Thickness 0.7 mm:IP ≥ 6000 cycles
Gloss Retention	EN 18094A	≥2 grade
Micro-scratch Resistance	EN 16094B	≥2 grade
Phthalate	CA Prop 65	≤1000PPM

UV coating: anti-scratch coating / anti-microbial coating / stain- resistant coating / slip resistance coating R10

UV coating Wear layer **Printing layer** LVT layer (include fiberglass) SPC Core HALED flex IXPE/EVA/CORK 1.0/1.5/2.0mm















WPC flooring is best known for being 100% waterproof. It is luxury vinyl flooring amped up a notch with a special waterproof core that makes it perfect for just about any room in the house.

WPC is one of the best flooring types in the vinyl flooring world today and hugely popular among homeowners looking for the look of traditional hardwood without the maintenance. It is also one of the most popular flooring options for commercial spaces and businesses.

Test Items	Standard	Result
Appearance / Color Match	Master Sample	Match
Thickness	EN428	5.0 / 6.5 / 7.0 / 8.0mm (n±0.15mm)
Thickness of wear layer	C14470	0.3 / 0.5 / 0.55 / 0.7mm
Plank Length		n<300mm; ±0.1mm
Plank Width	EN407	n≥ 300mm; ±0.3mm
Squareness	EN427	≤0.15mm
Edge straightness		≤0.15mm
Lock Strength	Halead Standard	Thickness≥6.0mm:≥160N/5cm
Lock Strength	nalead delitation	Thickness<5.0mm:≥120N/5cm
Fire Rating - Flame Spread - CRF	ASTM EB48	Class I (> 0.45 W/cm2)
Fire Rating - Smoke Evolution - OSD	ASTM E862	Class 1 (< 450)
Water Absorption	ASTM D670-98	≤3%
Gloss unit	ASTM D523	Target±1°
Dimensional Stability	EN434	≤0.12%
Curling After Exposure to Heat	EN434	≤1.2mm
Assmbled gap	EN13329	≤0.15mm
Height Difference (Assembled)		≤0.15mm
Wear Resistance	EN 13329 (S-42, 200 cycle change)	Wear Layer Thickness 0.2 mm:IP ≥ 1000 cycles
		Wear Layer Thickness 0.3 mm:IP ≥ 1800 cycles Wear Layer Thickness 0.5 mm:IP ≥ 4000 cycles
		Wear Layer Thickness 0.7 mm:IP ≥ 6000 cycles
Gloss Retention	EN 16094A	≥2 grade
Micro-scratch Resistance	EN 16094B	≥2 grade
Phthalate	CA Prop 65	≤1000PPM

UV coating: anti-scratch coating / anti-microbial coating / stain- resistant coating / slip resistance coating R10

The LVT click installation system is the perfect solution for a quick DIY renovation. Simple and easy to work with, by simply adjusting the individual planks to the existing room's dimensions, all you need to do is match tongue and groove and click them together. There is no need for any adhesives, extra materials or special assistance.

Test Items	Standard	Result
Appearance / Color Match	Master Sample	Match
Thickness	EN428	4.0 / 4.2 / 4.5 / 5.0mm (n±0.15mm)
Thickness of wear layer	E19420	0.12 / 0.8 / 0.5 / 0.56 / 0.7mm
Plank Length		n<300mm; ±0.1mm
Plank Width	51407	n≥ 300mm; ±0.3mm
Squareness	EN427	≤0.15mm
Edge straightness		≤0.15mm
Look Strength	Halead Standard	Thickness≥5.0mm:≥160N/5cm Thickness<5.0mm:≥120N/5cm
Fire Rating - Flame Spread - CRF	ASTM E648	Class I (> 0.45 W/cm2)
Fire Rating – Smoke Evolution – OSD	ASTM E662	Class 1 (< 450)
Water Absorption	ASTM D570-98	≤3%
Gloss unit	ASTM D523	Target±1°
Dimensional Stability	EN434	≤0.1296
Curling After Exposure to Heat	EN434	≤1.2mm
Assmbled gap	EN13329	≤0.15mm
Height Difference (Assembled)		≤0.15mm
Wear Resistance	EN 13329 (S-42, 200 cycle change)	Wear Layer Thickness 0.2 mm:IP ≥ 1000 cycles Wear Layer Thickness 0.3 mm:IP ≥ 1800 cycles Wear Layer Thickness 0.5 mm:IP ≥ 4000 cycles Wear Layer Thickness 0.7 mm:IP ≥ 6000 cycles
Gloss Retention	EN 16094A	≥2 grade
Micro-scratch Resistance	EN 16094B	≥2 grade
Phthalate	CA Prop 65	≤1000PPM

UV coating: anti-scratch coating / anti-microbial coating / stain- resistant coating / slip resistance coating R10

UV coating Wear layer **Printing layer** Middle layer WPC Core

HALED flex IXPE/EVA/CORK 1.0/1.5/2.0mm





























HALEAD

Dry back vinyl flooring is constructed of solid vinyl PVC. It's direct stick installation method requires the vinyl to be glued down using a permanent bond directly to the subfloor to ensure stability. The direct stick process provides a more solid feel and reduces rebound noise that is often associated with other installation methods.

Luxury dry back vinyl is a perfect choice for high traffic areas due to its incredible durability and resilience but it also has an impressive realistic appearance. Not only does this flooring provide the perfect balance between aesthetics and performance, but the distinct design elements ensure the suitability for both commercial and residential spaces.

Test Items	Standard	Result
Appearance / Color Match	Master Sample	Match
Thickness	EN428	1.5/2.0/2.5/3.0/4.0/5.0mm (n±0.16mm)
Thickness of wear layer	EN428	0.12/ 0.2 / 0.3 / 0.5 / 0.56 / 0.7mm
Plank Length		n<300mm; ±0.1mm
Plank Width	51465	n≥ 300mm; ±0.3mm
Squareness	EN427	≤0.25mm
Edge straightness		≤0.25mm
Fire Rating - Flame Spread - CRF	ASTM E648	Class I (> 0.45 W/cm2)
Fire Rating - Smoke Evolution - OSD	ASTM E662	Class 1 (< 450)
Water Absorption	ASTM D670-98	≤3%
Gloss unit	ASTM D523	Target±1°
Dimensional Stability	EN434	≤0.12%
Curling After Exposure to Heat	EN434	≤1.2mm
Assmbled gap	EN18329	≤0.20mm
Height Difference (Assembled)		≤0.20mm
Wear Resistance	EN 13329	WL (0.1mm): IP ≥ 550 cycles WL (0.2mm): IP ≥ 1000 cycles Wear Layer Thickness 0.3 mm:IP ≥ 1800 cycles Wear Layer Thickness 0.5 mm:IP ≥ 4000 cycles Wear Layer Thickness 0.7 mm:IP ≥ 6000 cycles
Gloss Retention	EN 16094A	≥2 grade
Micro-scratch Resistance	EN 16094B	≥2 grade
Phthalate	CA Prop 85	≤1000PPM
Heavy metal	Not test, meet CPSC limits	Not test, meet OPSC limits

UV coating: anti-scratch coating / anti-microbial coating / stain- resistant coating / slip resistance coating R10

LVT Peel and stick is specifically designed for an easy installation, directly onto a smooth floor. The adhesive bottom layer provides excellent adhesion to the substrate. LVT Peel and stick is installed without the use of additional adhesive by simply removing the protective film, and placing the flooring where you want. Then, press firmly from the center to the edges. Immediately after the installation of the self-adhesive luxury vinyl flooring, you can use your room as normal and enjoy the new environment that you have created. This installation is simple, easy and straightforward.

Test Items	Reference	Standard Value
Appearance / Color Match	Master Sample	Match
Thickness		1.5/2.0/2.5/3.0mm (n±0.15mm)
Thickness of wear layer	EN428	0.12 / 0.2 / 0.8mm
Plank Length		n<300mm; ±0.1mm
Plank Width	5M97	n≥ 300mm; ±0.3mm
Squareness	EN427	≤0.25mm
Edge straightness		≤0.25mm
Fire Rating - Flame Spread - CRF	ASTM E648	Class I (> 0.45 W/cm2)
Fire Rating - Smoke Evolution - OSD	ASTM E662	Class 1 (< 450)
Water Absorption	ASTM D570-98	≤3%
Gloss unit	ASTM D523	Target±1°
Dimensional Stability	EN434	≤0.12%
Curling After Exposure to Heat	EN434	≤1.2mm
Assmbled gap	EN13329	≤0.20mm
Height Difference (Assembled)		≤0.20mm
	EN 13329	WL (0.1mm): IP ≥ 550 cycles
Wear Resistance		WL (0.2mm): IP ≥ 1000 cycles
		Wear Layer Thickness 0.3 mm:IP ≥ 1800 cycle
Gloss Retention	EN 16094A	≥2 grade
Micro-scratch Resistance	EN 16094B	≥2 grade
Phthalate	CA Prop 65	≤1000PPM
Heavy metal	Not test, meet CPSC limits	Not test, meet CPSC limits

UV coating: anti-scratch coating / anti-microbial coating / stain- resistant coating / slip resistance coating R10

UV coating Wear layer **Printing layer** Middle layer Fiberglass (Total thickness ≥ 2.5mm) **Bottom layer**



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UV coating

Wear layer

Printing layer

Middle layer

Bottom layer

Separation layer









152.4*1219.2 mm

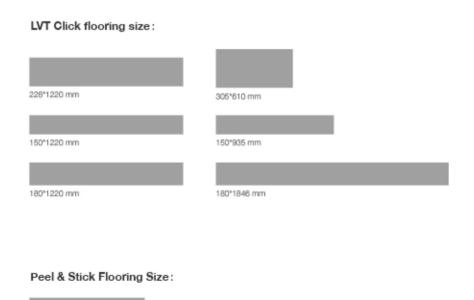
184.15*1219.2 mm

228.6*1219.2 mm

152.4*914.4 mm

Product Specifications Standard Sizes

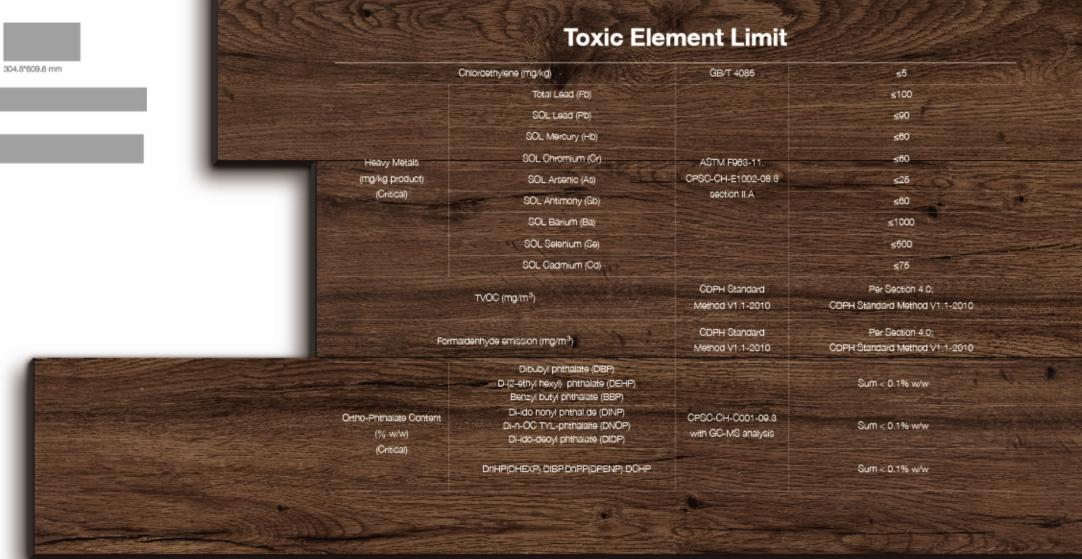




159*1229 mm

189*1229 mm

160*1230 mm



457.2*457.2 mm

189*1855 mm

228.6*1828.8 mm



Detail Texture Colour Wood

back to nature







Detail Texture Colour Wood

back to nature







Serene Opulent Stone Pure Serenity









