KEDING Interior Surface Solutions

KD Hand-Scraped Wood Flooring (Wide-Plank)
Technical Data Sheet

Product Information

KD Flooring series are certified Taiwan Green Building Materials and SG Green Label products, meeting Grade-1 Flame Retardancy standards. Only premium, non-toxic, low-formaldehyde eco-friendly coatings are hand-applied to preserve the natural beauty, texture, and individuality of real wood.

KD Flooring features a multi-layer construction that enhances structural stability while reducing deformation and cracking, even in humid climates.

* **Hand-Scraped Collection**: Artisanal hand-scraped textures with antique hand-stained finishes deliver rich character, authentic wood depth, and enhanced resistance to moisture-related deformation.

* **Wide-Plank Collection**: Extra-long boards with refined 3D or wire-brushed textures create seamless visual flow and spatial openness while maintaining excellent humidity resistance and stability.

Product Characteristics

- Standard Size: 180 x 1800 mm
- Thickness: 14 mm
- Surface treatment: Hand Scraped / Distressed / Junction / French Bleed / Distress Marks / Cow tail Marks / Screw Marks (Depending on product)
- Product Structure:



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Testing reports

Test Type	Qualification	Results
Flammability test_ Grade 1 SGS CNS 7614	Remaining flame time (sec) ≦1	**0.0**
Formaldehyde Emission SGS, CNS 11342	Emission of formaldehyde≦ 0.05mg/L (MDL)	**N.D.**
Formaldehyde Emission ETC_ ISO 16000-3:2022 & ISO 16000-9:2024	Spec. limit: ≦ 0.05 mg/m²·hr	**0.011 (48 Hrs)**
TVOC Emission ETC_ ASTM D5116:2017	Spec. limit: ≦ 0.19 mg/m²·hr	**0.031 (48 Hrs)**
Alkali Resistance SGS CNS 10757	No abnormality even immersed in Alkali	**Remain unchanged**
Acid Resistance SGS CNS 10757	No abnormality even immersed in Acid	**Remain unchanged**
Floor slab impact sound test ABRI, MOI_CNS 16211-3 & CNS 8465-2	**ΔLw: ≧ 17dB**	**ΔLw: 17 dB**
"Water resistance" **Thickness swelling due to water absorption** SGS, CNS 11342	**< 25%**	**2%**

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Certification

ISO 9001:2015	AMTIVO Certified UKAS MANAGEMENT SYSTEMS 8289	SGLS	GreenLabel SINGAPORE
ISO 14001:2015	AMTIVO Certified UKAS MANAGEMENT SYSTEMS 8289	FSC	FSC www.fsc.org FSC® A000523 The mark of responsible forestry
ISO 45001:2018	AMTIVO Certified UKAS MANAGEMENT SYSTEMS 8289	ISO 14067:2018	VERIFIED ISO 14067:2018 ARES

Advantages

- **Healthy and Environment friendly**

  Research shows that when the human body is exposed to volatile organic compounds, such as urea formaldehyde, toluene and ethyl benzene, it can easily lead to cancer. Keding Enterprises are qualified with ISO 9001, ISO 14001 and green building material certification in Taiwan to control our production process and procurement. These certifications also show our commitment to produce healthy products with high quality. Because of our efforts to improve our products, we became the leading company in the wood flooring industry.

- **Golden Ratio**

  The size of flooring is an important factor for the layout. If the size is too small, the space will be crowded. If the size is too large, it will lose the aesthetic impression. Therefore, Keding Enterprises insists in producing the floorings with the golden ratio, 16cm x 150cm, which is approved by the masters of art and aesthetics.

- **Stability**

  In a complex environment, the wood floorings tend to have problems such as deformation, crack and other unstable issues. To avoid these possibilities, we adopt the technology of pre-compressive stress to insure the quality and stability of our floorings.

- **The finest surface material**

  For the surface material, we choose the natural logs with three-dimensional, vivid grain and soak the logs in a vacuum environment with 90℃-95℃hot water. When exposed to levels of high humidity and high temperature for certain periods, the growth ring will become more alive. The contrast of the wood grain is increased and the texture of the floorings is improved thanks to this process.

- **Hand scraped surface**

  Designed by Mary Leu, the famous fine carving artist, our art floorings are all carved by hand. The unique hand-scraped texture made our flooring worthy of its collections name.

- **The finest coating**

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In the past 30 years, with his competence and full commitment, Mr. Huang, our factory director, has realized the essence of the art of the wood application and found out the best UV coating.

Flooring Installation

- **Nail down Method**

1. Lay down the moisture barrier on the floor.
2. Nail down plywood base over the moisture barrier.
3. Nail down the engineered flooring over the plywood base.
4. Fill the gap between flooring and wall edge with silicon or install skirting board.

- **Glue-down Method**

1. Lay down the EVA sound insulation on the ground.
2. Install engineered flooring over the EVA sound insulation.
3. Fill the gap between flooring and wall edge with silicon or install skirting board.
4. Glue-down installations can be done over marble ground or other rigid grounds.

- **Elevated Floor Method**

1. Lay down the moisture barrier on the floor.
2. Fix lumber of desired height over the moisture barrier.
3. Nail down plywood over the lumber.
4. Nail down the engineered flooring over plywood.
5. Fill the gap between flooring and wall edge with silicon or install skirting board.

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