

Technical Data Sheet

Craft Core

Date Sheet

Collection	Description
MIX	1220mm Lengthx182mm Widthx5mm Thickness Plank (SPC Flooring)

Descriptions and Products Uses

Craft Core is stone-plastic composite flooring which can be used both in residential and commercial indoor spaces.

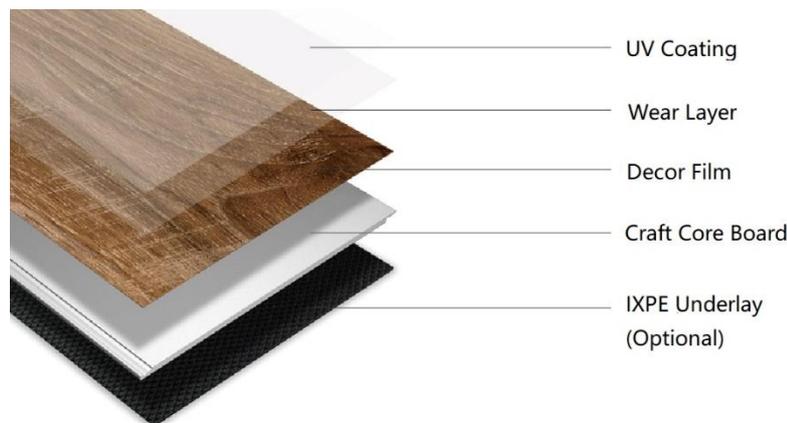
Features, Advantages, Benefits

- Craft Core is totally waterproof.
- Craft Core is totally formaldehyde free.
- Craft Core has better abrasion resistance than laminate flooring.
- Craft Core has better stability than other kinds of flooring.

Composition and Ingredients on Craft Core

Chemical Name	Percent (by weight)	CAS NO.	EC#
Polyvinyl Chloride	28.3%	9002-86-2	Not Classified as Hazardous
Limestone	43.7%	1317-65-3	Not Classified as Hazardous
Diocetyl Terephthalate	7.5%	6422-86-2	Not Classified as Hazardous
Zinc Stearate	0.2%	557-05-1	Not Classified as Hazardous
Carbon Black	0.3%	1333-86-4	Not Classified as Hazardous
PVC Resin Powder, Calcium Carbonate etc. Recycled Material	20%	N/A	Not Classified as Hazardous

Structures and Layers of Craft Core



1. **UV Coating:** Ensure superior stain-resistance and water proof performance;
2. **Wear Layer:** Superior abrasion resistance and protect décor film;
3. **Décor Film:** All natural and warm feelings of the décor, it is coming from the décor film;
4. **Craft Core Board:** It is the main layer to offer good performance and stability;
5. **IXPE Underlay (Optional):** Offer good step feelings and sound-proof performance.

Physical Properties		
Width	182mm±0.4mm	ASTM F2055
Length	1220mm±2mm	ISO24337
Thickness	5mm±0.13mm	ASTM F387 and ASTM F3261
Squareness	Out-Of-Squareness of the plank shall not exceed 0.25mm	ASTM F2055 and ASTM F3261
Flatness	F _w ±0.2mm	ISO24337 and ASTM F3261
Openings	O _{avg} ≤0.1mm; O _{max} ≤0.2mm	ISO24337 and ASTM F3261
Ledging	H _{avg} ≤0.1mm; H _{max} ≤0.15mm	ISO24337 and ASTM F3261
Performance Properties		
Residual Indentation	Under 34kg load, 6.35mm diameter flat foot, and 15minutes indentation, the measured indentation after 60 minutes recovery shall not exceed 0.18mm.	ASTM F1914 and ASTM F3261
Static Load	Only commercial products will reference a static load requirement of 1.72Mpa. The measured residual indentation after 24 hour recovery shall not exceed 0.13mm.	ASTM F970 and ASTM F3261
Dimensional Stability and Curl	Using temperature at 70°C for 6 hours; the acceptance are, for Residential: Dimensional Stability≤0.25%, Curl≤2mm; for Commercial: Dimensional Stability≤0.2%, Curl≤2mm.	ISO23999 and ASTM F3261
Resistance to Chemicals	Under using the following chemicals: <ul style="list-style-type: none"> •White Vinegar (5% acetic acid), •Rubbing Alcohol (70% isopropyl alcohol), •White Mineral Oil (medicinal grade), •Sodium Hydroxide Solution (5% NaOH), •Hydrochloric Acid Solution (5% Hcl), •Sulfuric Acid Solution (5% H₂SO₄), •Household Ammonia Solution (5% NH₄OH), •Household Bleach (5.25% NaOCl), •Olive Oil (light), •Kerosene (K1), •Unleaded Gasoline (regular grade), •Phenol (5% active phenol). No more than a slight change in surface dulling, surface attack, or staining when exposed to chemicals listed above.	ASTM F925 and ASTM F3261
Resistance to Heat	Measured color change of the plank after 7 days exposure to 70°C shall have an average ΔE no greater than 8.0.	ASTM F1514 and ASTM F3261
Colorfastness to Light	Measured color change of the plank after 72 hours Xenon exposure should have an average ΔE no greater than 4.0.	ASTM F1515 and ASTM F3261
Impact Resistance	The plank shall be dropped from 0.5m height, and shall not break or crack beyond 3±0.3mm cycle.	ASTM F1265
Resistance Abrasion	Subjected to 2000 cycles abrasion, the plank shall not be abraded to through the wear layer to the décor layer.	ASTM F510 Modified
Wear Layer Thickness	The wear thickness should be as claimed; For commercial use, the thickness should be 0.5mm as minimum.	ASTM F410 and ASTM F3261
Surface Intergity	Under 63.5kg load, 4.5mm diameter flat foot and 10 minutes duration, there should be no puncture through wear layer nor décor layer into rigid core.	ASTM F1914 and ASTM F3261
Swelling	Swelling shall be ≤1.5% after 24 hours immersion.	ISO24336
Flammability	The burning rate shall not exceed 0.1inch per second along the	16 CFR1500.44

	longest dimension of the plank.	
Scratch Resistance	Minimum shall achieve MSR-B2 standard: only a few scratches.	EN16094 Procedure B
Water Resistance	Using Seam Infiltration 3" Diameter Dam Method, after 24 hours, no liquid penetrate through the seam to the backside.	THD Requirement

Safety Properties

Sharp Points and Edges	Shall not have any sharp points and edges, other than required for function.	16 CFR1500.48/1500.49(scope widened)
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Chemical Properties

Lead Content in Paint or Similar Surface Coating	Shall not contain lead or lead compounds in which the lead content is more than 90ppm by weight of the total content.	16 CFR1303
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Handling and Application Information

Applications

This product is intended for indoor use.

Storage and Handling

Store Craft Core in original cartons and on original pallets under condition of 20°C and 50% relative humidity. For best performance, this product should be used within 12 months from the date of manufacture.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety information before using this product.