HENGCHANG

discover your own world — Technical Specification Sheet · PVC Decor Film

Materials & Construction

Substrates	PVC, PP, PET, PETG
Product role	Decor (HC colour) layer for flooring, furniture and wall-panel systems
System position	Under wear layer / UV coating; above middle and base layers in 5-layer constructions
Ink system	Water-based inks (standard option since 2016); solvent systems available
Print process	Rotogravure (intaglio); high-definition in-house engraved cylinders

Dimensions

Thickness	0.03 – 0.2 mm
Width	980 – 2300 mm (widest gravure line in Asia)
Pattern circumference	1000 – 2140 mm
Design library	1,000+ patterns · 5 series (wood, stone, carpet, artistic, technical)
EIR	Embossed-in-register artwork available on request

Production & Quality

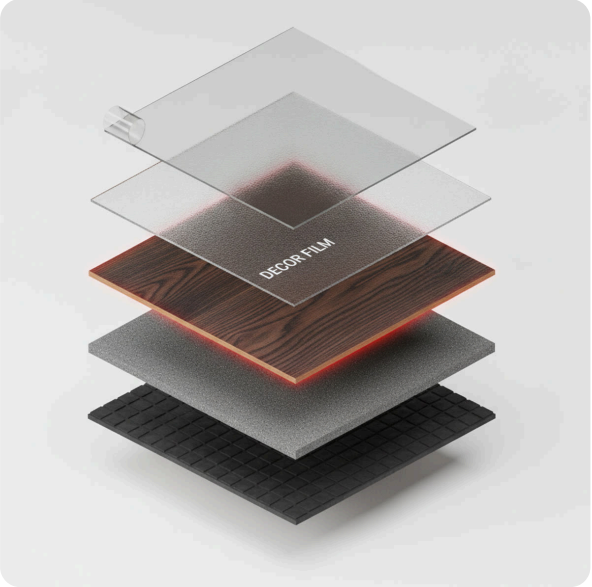
Standard lead time	15 working days from order confirmation (expedited scheduling available)
Annual capacity	190M metres (China) + 60M metres (Vietnam)
Certifications	ISO 9001:2015 · ISO 14001:2015 · ISO 45001:2018 · CE · TÜV Rheinland · SGS
Green credentials	Jiangsu Green Factory · real-time emissions monitoring · water-based ink pioneer (2016)
IP	56 patents, incl. 6 invention patents

Customization & Supply

Colour	Spot-colour matching to customer standard; physical strike-offs before release
Exclusivity	Customer-exclusive pattern development available

Process	Choose pattern → define colours → select style → engraving & proofing → production → QC
Origin options	China (Zhenjiang) or Vietnam (Bac Giang) — tariff-optimised routing for US-bound orders
Support	Dedicated sales contact, 24/7 · hc@hccykj.com

The Print Layer in the Flooring System



HC colour layer — the HENGCHANG decor film

The printed decor film sits at the heart of the five-layer construction: UV coating and transparent wear layer above, middle and base layers below. Laminators bond it directly into SPC, LVT and panel systems; artwork is engineered for embossed-in-register (EIR) alignment with the press plates.

Position	Layer 3 of 5 — beneath the wear layer, above the middle layer
Print film thickness	0.03 – 0.2 mm, per construction
Ink	Water-based (standard since 2016); solvent optional
Registration	EIR-ready artwork; pattern circumference 1000 – 2140 mm

Tolerance tables, REACH/SVHC declarations and VOC datasheets are supplied during supplier qualification. Sample rolls and pattern books available on request.

Jiangsu Hengchang New Technology Co., Ltd. · No.8 Angang Road, Zhenjiang New Area, Jiangsu 212009, China · Hengchang Technology Vietnam Co., Ltd. · Lot CN-10, Hoa Phu Industrial Park, Bac Giang, Vietnam · hc@hccykj.com · +86 511-8869 8099 · hengchang.sterlingai.sg