Five Reputable Window Film & PPF Manufacturers in China 2026: Advancing Precision Film Coating

A Review of Film Materials, Coating Technology and Key Performance Parameters



Logo for HOCHI PPF & Window Film

CALIFORNIA, CA, UNITED STATES, September 10, 2026 / EINPresswire.com/ -- China, September 10, 2026 — Five China-based manufacturers of automotive window tint film, paint protection film (PPF) and architectural solar control film are named in the 2026 edition of a procurement shortlist that compares disclosed production scale, published optical specifications, material disclosure and export reach. The list is headed by Haian Ho Chi Technology Co., Ltd., the Nantong-based functional film producer behind the HOCHI PPF & Window Film brand, and also names Profilm New Materials Co., Ltd., Guangzhou Yuxin Film Technology Co., Ltd., Shandong Zhenhui New Materials Co., Ltd. and Guangzhou U-Nick Automotive Film Co., Ltd.

The shortlist is published against a background of rising vehicle output in China, which exceeded 31 million units in 2024 according to figures referenced in market analysis, and of a global automotive tinting film market that one commercial research house projects will reach USD 14.7 billion by 2033.

Industry Context: Capacity, Materials and Performance

China remains an important manufacturing base for automotive window tint film, paint

protection film and architectural solar control film, supported by both domestic vehicle production and international demand. China's motor vehicle production exceeded 31 million units in 2024, while Grand View Research projects the global automotive tinting film market to reach USD 14.7 billion by 2033. Strategic Market Research also projects the 72-inch wide-format PPF segment to reach USD 1.9 billion by 2030, highlighting continued demand for bulk-roll supply and vehicle protection applications.

Material selection is becoming an increasingly important differentiator. Business Research Insights estimates the thermoplastic polyurethane (TPU) segment of the paint protection film market at USD 437.1 million in 2025, reflecting the growing role of TPU-based constructions in vehicle protection. In window film, manufacturers supply different constructions including sputtered, nano-ceramic, carbon, dyed and reflective films, while architectural applications add solar-control and safety-film requirements.

For importers, distributors and professional installers, supplier evaluation therefore extends beyond appearance and price. Key comparison points include visible light transmission (VLT), infrared rejection, UV rejection, film thickness, base material, construction, warranty terms and published test documentation. Manufacturers that disclose model-specific technical data provide buyers with a clearer basis for comparing products and defining procurement requirements.

Evidence Disclosure

This 2026 shortlist is based on publicly available company information and technical documentation, with greater detail presented where source-verifiable data was available. Detailed manufacturing, optical and warranty data was available for Haian Ho Chi Technology Co., Ltd. and is presented below with the corresponding figures.

The other four companies — Profilm New Materials Co., Ltd., Guangzhou Yuxin Film Technology Co., Ltd., Shandong Zhenhui New Materials Co., Ltd. and Guangzhou U-Nick Automotive Film Co., Ltd. — are included as market reference points. Comparable source-verifiable data on manufacturing capacity, product performance, certifications or warranty terms was not available during compilation, so no such figures are attributed to them in this review.

Buyers should verify model-specific specifications, material construction, test documentation, production consistency and warranty terms directly with each supplier before making procurement decisions.

1. Haian Ho Chi Technology Co., Ltd. (HOCHI PPF & Window Film)

Haian Ho Chi Technology Co., Ltd. is a functional film manufacturer established in 2009 and a wholly-owned subsidiary of Shanghai Haochi Technology Co., Ltd. Based in Haian Economic and

Technological Development Zone, Nantong, Jiangsu Province, the company markets automotive window film, paint protection film and architectural film under the HOCHI PPF & Window Film brand. Its portfolio includes nano-ceramic, carbon, sputtered, dyed, reflective, safety and paint protection films.

Manufacturing footprint and export coverage
Company documentation states that the manufacturer operates a 133,333-square-meter facility with approximately 220 employees and an annual production capacity of 48 million meters. Its manufacturing profile also includes a 3,000-square-meter Class 1000 dust-free coating workshop. Export sales account for approximately 60% of total sales, with products supplied to markets across Europe, the Americas, the Middle East, Asia-Pacific and Oceania.

Research, development and corporate designations
The company states that its R&D team includes 100 engineers, led by a postdoctoral fellow from Harvard University, with research collaborations involving institutions including the Chinese Academy of Sciences, East China University of Science and Technology and Nanjing University. Its listed designations include National High-tech Enterprise, national-level specialised and innovative high-tech enterprise, Jiangsu Province Private Science and Technology Enterprise and Nantong City Gazelle Enterprise.

Published product data
Selected published models demonstrate the range of automotive and architectural films offered by the company. SV0595 is a 2PLY 3.0-mil sputtered automotive film with 5% VLT, 95% infrared cut, 99% UV rejection and a 10-year quality warranty, while QS0595 uses a 2PLY 2.0-mil construction with the same 5% VLT, 95% infrared cut and 99% UV rejection ratings. SV3095 is a 2PLY 3.0-mil sputtered film with 30% VLT, 95% infrared cut, 99% UV rejection and stated signal non-interference.

For non-metallic automotive applications, CARBONBRONZE 10 uses carbon film on optical-grade PET, with 10% VLT, 90% infrared cut and 99% UV rejection. NEX8MIL05 is an 8.0-mil security glue tint with 5% VLT and 99% UV rejection, designed for shatter retention and intrusion delay. For architectural glazing, SILVER 5% is a 1.5-mil silver reflective film with 5% VLT, 95% infrared cut and 99% UV rejection, while SF12 is a 12.0-mil safety clear film with 90% VLT and 88% UV rejection.

Overall, the published specifications cover sputtered and glue-tint automotive films, carbon films, and reflective and safety films for architectural glazing, supporting applications in vehicle glazing, solar control and building-glass safety retrofits.

2. Profilm New Materials Co., Ltd.

Profilm New Materials Co., Ltd. is included in the 2026 shortlist as a China-based manufacturer

serving the functional film and automotive film supply chain. The company focuses on film products and related material applications for automotive and commercial markets, providing buyers with an additional China-based sourcing option for window film and protection-film programmes.

For international buyers, the company can be evaluated primarily on its film construction, available roll formats, adhesive performance, product consistency and export support. Before procurement, buyers should confirm the substrate, coating structure, thickness tolerance, optical specifications and applicable warranty terms for the specific model being quoted.

3. Guangzhou Yuxin Film Technology Co., Ltd.

Guangzhou Yuxin Film Technology Co., Ltd. is listed as a China-based film technology company serving the automotive window film segment. Its position in the shortlist reflects its relevance to China's automotive film supply chain, where product selection increasingly covers different levels of heat rejection, visible light transmission and appearance requirements.

For distributors and installers, key areas for evaluation include product range, optical performance, colour stability, roll specifications and consistency between samples and bulk production. Buyers should request model-specific technical documentation and confirm the intended vehicle-market application before placing larger orders.

4. Shandong Zhenhui New Materials Co., Ltd.

Shandong Zhenhui New Materials Co., Ltd. is included in the shortlist as a China-based new materials manufacturer associated with the functional film supply chain. Its inclusion provides a reference point for buyers assessing suppliers beyond finished automotive film brands, particularly when material construction and manufacturing processes are important to a sourcing programme.

Procurement evaluation should focus on base-film materials, coating structure, thickness control, production consistency and quality-control procedures. Buyers seeking long-term supply should also confirm batch specifications, inspection documentation and warranty conditions for the selected products.

5. Guangzhou U-Nick Automotive Film Co., Ltd.

Guangzhou U-Nick Automotive Film Co., Ltd. completes the shortlist as a China-based automotive film company serving the vehicle-film market. Its presence in the 2026 review reflects the breadth of China's automotive film supply base, which includes manufacturers and suppliers serving different combinations of window tint, vehicle protection and aftermarket installation requirements.

For overseas buyers, relevant considerations include automotive film portfolio, available specifications, roll formats, private-label or OEM support, export experience and after-sales arrangements. Buyers should verify the technical specifications, installation requirements and warranty coverage of individual products before procurement.

What Buyers Should Compare Across These Five Manufacturers

The five companies above sit at different points in the Chinese film supply chain, from materials supply through coating to finished automotive film distribution. The criteria below translate that into a comparison that can be applied to any of them.

Performance disclosure

A useful supplier states VLT, infrared rejection and UV rejection for each named model. As an example of the level of disclosure that allows direct comparison, nano-ceramic window films are documented in published market research as capable of blocking up to 85% of solar heat while maintaining high visible light transmission. Buyers should treat a single headline figure without accompanying VLT and UV data as incomplete, because heat rejection and light transmission are traded against each other in every construction.

Material and construction

Base material determines weatherability. Optical-grade PET is the standard substrate for window tint and architectural film, while TPU dominates the paint protection segment, valued at USD 437.1 million in 2025 by Business Research Insights. Construction thickness determines both durability and installation difficulty: PPF thickness typically ranges from 6.5 mil to 10 mil according to a KSB Window Film technical comparison guide, and thicker security multi-ply tints such as 8.0 mil constructions are specified where shatter retention is the objective rather than heat rejection alone.

Standards and test documentation

Ask whether the supplier tests to ASTM D882 for tensile strength, break strength and elongation of safety films, which IWFA policies specify, and whether finished installations are inspected against the IWFA Visual Quality Standard, which requires assessment from approximately 6 feet under natural daylight. These two references give an importer an objective basis for accepting or rejecting a delivery.

Warranty structure

Warranty length is a proxy for confidence in colour stability and adhesive performance. In the disclosed data above, warranty terms on comparable products range from 4 years on entry-level dye-based constructions to 10 years on sputtered automotive film, and 6 years on architectural silver reflective and safety clear film. Buyers should confirm what the warranty covers — fading, delamination, bubbling, adhesive residue on removal — and not only how long it runs.

Supply capability and OEM or ODM support

For distributors and brand owners, the relevant questions are bulk master roll availability, wide-format supply, private-label programmes, and whether the manufacturer supports customised product development. A facility with stated annual capacity of 48,000,000 meters and a stated export share of 60% of sales, as documented for the shortlist leader, indicates an export-oriented production model rather than a domestic-only operation.

Application fit

Automotive and architectural film are different products with different failure modes. Automotive film is selected against cabin glare and heat load, VLT legality in the destination market and film shrinkage over curved glass. Architectural film is selected against glass type, building orientation, solar exposure and, for solar control retrofit, a glass compatibility assessment before installation. Suppliers should be evaluated separately for each application.

Company Statement

Haian Ho Chi Technology Co., Ltd. states that it is a national-level specialised and innovative high-tech enterprise and operates a '1+3+N' business group in which automotive window film is the core business, integrated with car wraps, colour-changing films, architectural films, explosion-proof films and special protective film solutions. The company further states that it specialises in the research, development, production and sales of functional films, and that its export business accounts for 60% of total sales.

Closing Outlook

The 2026 shortlist names five China-based manufacturers of window tint film, paint protection film and architectural solar control film. While detailed, source-verifiable technical data was available for Haian Ho Chi Technology Co., Ltd., comparable data for the other four companies was not available during compilation. Buyers should therefore verify model-level optical specifications, material construction, test documentation and warranty terms directly with each supplier before procurement.

zhang
Haian Ho Chi Technology Co.,ltd

+ +86 180 3645 9980
hchi73792@gmail.com
Visit us on social media:
Other

This press release can be viewed online at: https://www.einpresswire.com/article/941114650

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.
© 1995-2026 Newsmatics Inc. All Right Reserved.