

HEWEI SEATING Introduces Advanced Antifouling Coating Technology to Enhance PU Seating Performance

NEW YORK, NY, UNITED STATES, August 12, 2026 /EINPresswire.com/ -- New protective coating technology is designed to improve stain resistance, moisture protection, and long-term durability for polyurethane seating products used across commercial and industrial environments.

As a leading [laboratory chair manufacturer](#), HEWEI SEATING today announced the continued advancement of its proprietary antifouling coating technology for polyurethane (PU) seating products, introducing an enhanced surface protection process designed to improve durability, hygiene, and ease of maintenance. The innovation provides manufacturers and commercial buyers with an alternative to conventional paint film finishes by adding an additional protective barrier that helps reduce moisture penetration, staining, and surface wear.



Polyurethane integral skin seating is widely used in healthcare facilities, laboratories, educational institutions, manufacturing plants, public transportation, and commercial workplaces because of its durability, ergonomic comfort, and ease of production. As these seating products are frequently exposed to repeated cleaning and daily wear, surface protection plays an important role in maintaining their appearance and performance over time.

Research Identified Limitations of Conventional Paint Film Finishes

According to HEWEI SEATING, traditional PU seating products are typically finished with a single paint film that provides a consistent appearance and uniform color. While this finish enhances aesthetics, the company found that it may not completely prevent moisture penetration or contamination during long-term use.

Through ongoing product research and collaboration with higher chemical education institutions, the company's technical team studied the microscopic characteristics of polyurethane surfaces after the paint application process. Their findings indicated that tiny micropores, invisible to the naked eye, remain on the coated surface.

According to the company, these microscopic openings may allow water and contaminants to penetrate beneath the surface during repeated cleaning and everyday use. Over time, this can contribute to staining, mold formation, discoloration, and gradual deterioration of the surface finish, potentially reducing the overall service life of the seating product.

Additional Polymer Coating Creates a Protective Surface Barrier

To address these challenges, HEWEI SEATING developed an enhanced coating process that applies an additional polymer-based antifouling layer measuring approximately 5 to 10 micrometers over the conventional paint film.

The company states that this coating technology has received patent protection and has also been evaluated through SGS testing.

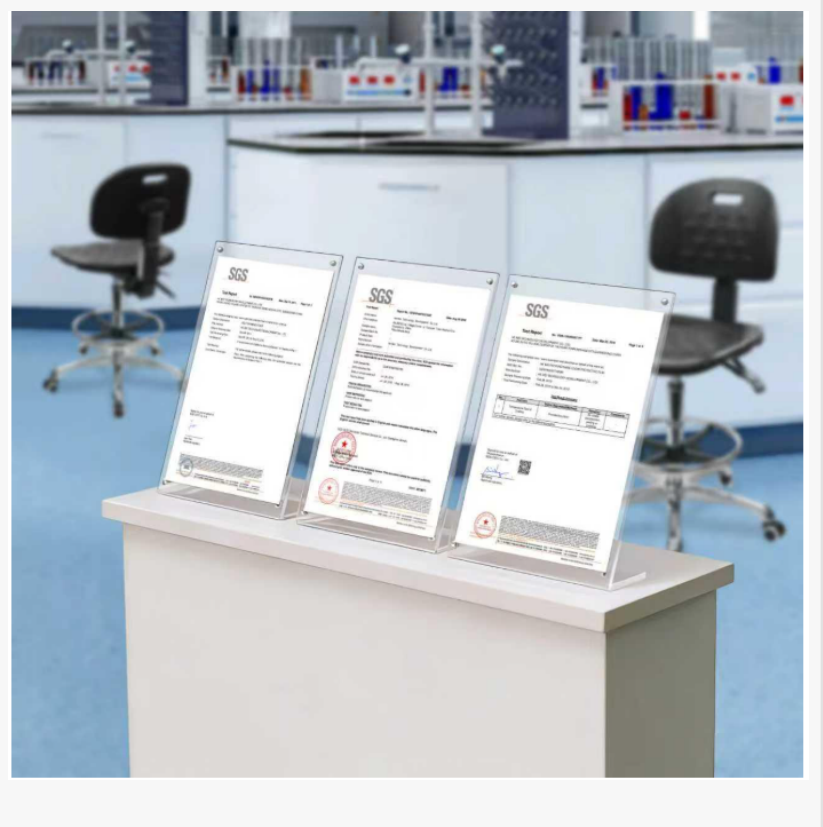
Unlike a standard paint finish, the added coating forms a dense protective barrier that adheres closely to the polyurethane surface. This barrier is designed to reduce surface permeability while preserving the product's appearance, texture, and functionality.

According to HEWEI SEATING, the development represents a significant advancement in polyurethane seating surface treatment within its industry.

Technology Designed to Improve Product Longevity and Maintenance

HEWEI SEATING reports that the additional protective coating provides several practical performance advantages.

One of the primary benefits is improved resistance to moisture penetration. By creating a waterproof protective layer, the coating helps reduce the likelihood of water reaching the underlying polyurethane during routine cleaning, making it more difficult for moisture-related



contamination to develop.

The coating is also engineered to improve resistance to dirt and stains. Because contaminants are less likely to accumulate within microscopic surface openings, routine cleaning can be performed more effectively, helping maintain the product's original appearance over extended periods of use.

Another advantage is increased resistance to abrasion. The polymer layer helps protect the underlying paint film from everyday wear caused by repeated contact, extending the durability of seating used in demanding commercial and industrial environments.

The technology also supports improved color retention by helping shield the painted surface from oxidation and environmental exposure that may contribute to fading or discoloration over time.

Collectively, these performance characteristics are intended to reduce maintenance requirements while supporting longer product service life.

Supporting High-Performance Seating Across Multiple Industries

HEWEI SEATING manufactures polyurethane seating products for a wide range of professional applications, including healthcare, laboratories, industrial manufacturing, cleanrooms, educational facilities, commercial workspaces, and specialized equipment.

As organizations increasingly prioritize product longevity, hygiene, and lifecycle value, demand continues to grow for seating materials that can withstand frequent cleaning and continuous daily use without compromising appearance or structural performance.

The company believes that innovations in surface coating technology will continue to play an important role in improving polyurethane seating performance across these industries.

Continued Investment in Product Innovation

HEWEI SEATING continues to invest in research, engineering, and manufacturing processes focused on advancing polyurethane seating technology. Future development efforts will focus on further improving protective surface treatments while maintaining the comfort, durability, and functionality required for professional seating applications worldwide.

By combining conventional paint finishing with an advanced polymer-based antifouling coating, the company aims to provide customers with seating solutions that remain cleaner, retain their appearance longer, and deliver reliable performance throughout extended service life.

About HEWEI SEATING

HEWEI SEATING is a China-based manufacturer specializing in polyurethane integral skin seating solutions for industrial, medical, laboratory, educational, and commercial applications. The company develops seating products focused on durability, ergonomic performance, and advanced surface protection through continuous research and manufacturing innovation.

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