

Removable Solvent-Free UV Acrylic

Winner of the Radtech 2024 Sustainability Award.
Performance That Sticks. Sustainability That Matters.



Revolutionary Innovation in Adhesive Technology

Our newly patented Removable Solvent-free UV Acrylic represents a groundbreaking advancement in materials science, delivering exceptional adhesive performance while significantly reducing environmental impact. This innovative technology addresses the growing industrial demand for sustainable solutions without compromising reliability, durability, or functionality.

Key Innovation Highlights:

- First-to-market solvent-free UV acrylic with removable characteristics
- Patented polymer formulation technology
- Future-proof solution addressing evolving regulatory requirements

Proven Environmental & Performance Benefits

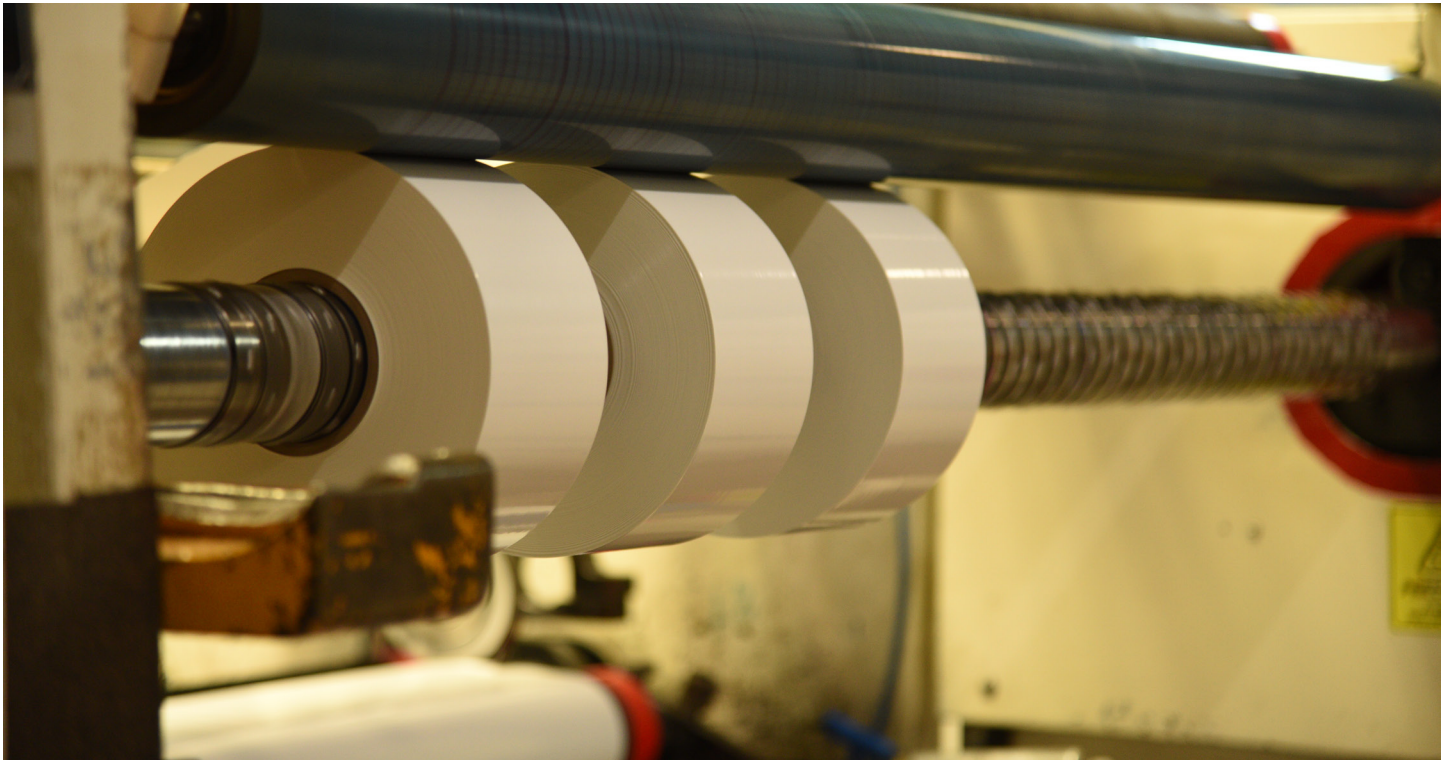
Environmental Impact Reduction

- 14–30% lower CO₂ emissions compared to traditional solvent-based acrylics during production and coating processes
- 50% reduction in water consumption throughout manufacturing and coating operations
- Enhanced waste recycling capabilities with AD Circular supporting circular economy initiatives

Superior Performance Characteristics

- Extended UV resistance maintains performance integrity for 12+ months of outdoor exposure
- Clean removability guarantee from plastic, wood, and glass surfaces for up to one year
- Exceptional weather resistance performs consistently from -40°C to +70°C
- Strong initial adhesion across wide variety of packaging substrates and low-density PE foams
- Excellent die-cutting characteristics ensure precise fabrication and application





Technical Specifications & Construction: FT 73312

Adhesive System:

- High-tack laminating adhesive for secure initial bonding
- Specially engineered removable mounting side adhesive
- Temperature performance range: -40°C to +70°C operational

Sustainable Carrier Construction:

- Strong polyester carrier (clear) with virgin skin layers for durability
- 70% post-consumer recycled content in core layer through chemical recycling process
- Engineered for excellent die-cutting characteristics and processing efficiency

Eco-Friendly Release Liner:

- 78 gsm natural glassine liner with medium release characteristics
- 15% post-consumer recycled fibers with remaining virgin fibers unbleached
- No dyes added, providing natural color and reducing chemical processing
- Fewer chemicals required in production and recycling processes

Primary Applications & Industry Solutions

Core Application Areas

Glazing Protection Systems: Extended weather protection for construction glazing with guaranteed clean removal, eliminating post-construction cleanup delays and surface damage risks.

Paper Core Starting & End Tabbings: Secure positioning and tabbing for paper manufacturing without surface contamination, supporting eco-certified production requirements and recycling compatibility.

Retail Display Solutions: Professional appearance for temporary promotional displays with damage-free removal, supporting dynamic merchandising strategies.

Application Spotlight: Glazing Protection Excellence

Industry Challenge Analysis

Construction glazing installations face critical protection requirements during extended 12+ month construction timelines. Traditional solutions create significant operational challenges including adhesive residue requiring specialized cleaning chemicals, difficult removal processes that damage window frames, project delays from extensive post-construction cleanup, and disposal challenges for non-sustainable protection materials.





Our Comprehensive Solution

Technical Performance Specifications:

- UV Resistance: 12+ months without performance degradation
- Temperature Range: -40°C to +70°C operational capability
- Weather Resistance: Excellent performance against rain, humidity, and environmental exposure
- Clean Removal Guarantee: No residue after 12+ months of application

Commercial Building Case Study: High-value glazing installations in commercial construction require comprehensive protection throughout extended construction timelines. Our Removable Solvent-free UV Acrylic maintains consistent protection through weather exposure, temperature fluctuations, and intense UV radiation, then removes cleanly without extensive labor requirements or chemical cleaning processes, significantly reducing project completion costs and timelines.



Application Spotlight: Paper Manufacturing Excellence

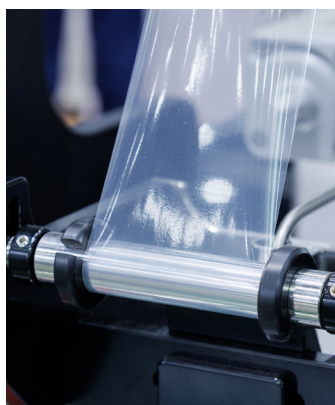
Industry Challenge Analysis

Paper manufacturing operations require secure yet cleanly removable starting and ending tabs that maintain structural integrity during storage and transportation phases without contaminating paper surfaces. Critical industry pain points include residue contamination affecting print quality, tab failure during transportation causing product damage, difficult removal processes causing paper tears and material loss, chemical exposure concerns during application and removal, and strict sustainability requirements for eco-certified manufacturing operations.

Our Technical Solution Advantages

Engineered Performance Features:

- High-tack laminating adhesive for secure initial bonding
- Specially engineered removable mounting side adhesive
- Temperature performance range: -40°C to +70°C operational



Paper Manufacturing Implementation: Paper mills securing large roll starting and ending points traditionally face challenges with adhesives leaving residue that transfers to subsequent layers, compromising product quality. Our Removable Solvent-free UV Acrylic provides secure adhesion throughout manufacturing operations while enabling clean removal at customer sites without paper fiber penetration or surface contamination, directly supporting the paper industry's sustainable manufacturing initiatives and quality requirements.

Comprehensive Sustainability Benefits

Measurable Environmental Impact

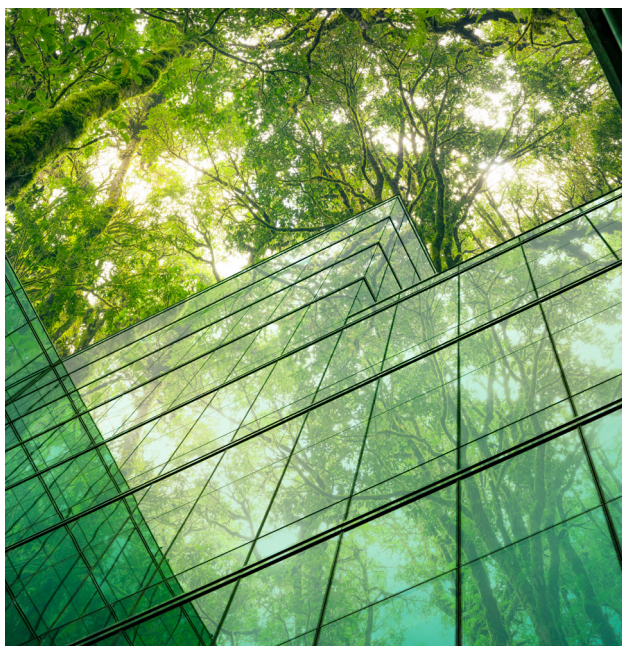
Our Removable Solvent-free UV Acrylic technology delivers quantifiable environmental advantages that support corporate sustainability initiatives and regulatory compliance requirements.

Production & Manufacturing Benefits:

- 14–30% reduction in carbon dioxide emissions during production and coating processes
- 50% decrease in water consumption compared to traditional solvent-based acrylics
- Enhanced waste material recycling capabilities and process efficiency
- Zero volatile organic compound emissions during application and curing phases

Strategic Business Advantages:

- Improved supply chain stability through elimination of solvent cost volatility
- Enhanced cost predictability supporting long-term financial planning
- Reduced regulatory compliance risk and documentation requirements
- Elimination of re-qualification needs as environmental regulations evolve
- Future-proof technology investment protecting against regulatory changes
- Enhanced corporate sustainability reporting capabilities



Complete Technology Portfolio

The FT 73312 Removable Solvent-free UV Acrylic represents one component of our comprehensive newly patented adhesive portfolio, designed to address diverse industrial application requirements across multiple market segments.

Additional Portfolio Solutions

LSE Solvent-free UV Acrylic – High Repulsion Resistance:

Superior resistance to substrate repulsion forces for challenging surface applications. Primary applications include steering wheel hands-on detection systems, textured surface bonding, and specialized foam bonding applications requiring exceptional adhesion performance.

Advanced Acrylics – High Shear Pure Acrylic: Exceptional shear resistance technology for high-stress applications. Optimized for specialty labeling applications, architectural and commercial signage, and demanding graphical applications requiring extended durability and weather resistance.

Implementation & Next Steps

Getting Started with Removable Solvent-free UV Acrylic

Technical Documentation & Specifications: Request comprehensive technical data sheets, application guidance, and performance specifications tailored to your specific application requirements and operational parameters.

Sample Testing & Evaluation: Order product samples for in-house testing and evaluation, including application-specific testing protocols and performance validation procedures designed for your operational environment.

Technical Consultation & Application Review Schedule detailed technical consultations with our application specialists to review your specific requirements, discuss implementation strategies, and develop customized solutions for optimal performance.

Implementation Planning & Support: Comprehensive implementation planning including transition timelines, process optimization recommendations, and ongoing technical support to ensure successful integration into your operations.

Contact Information & Support

For samples, detailed technical specifications, implementation support, or technical consultations regarding our Removable Solvent-free UV Acrylic technology, contact your local technical representative or visit our comprehensive online resource center.

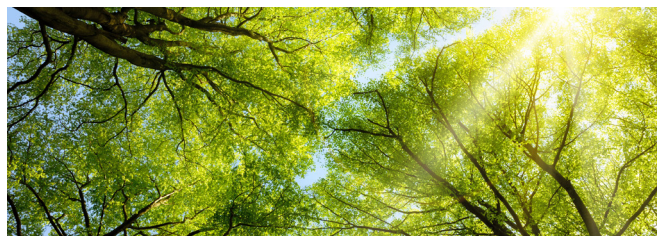
Immediate Support Available:

- Technical data sheet requests and specifications
- Sample ordering and evaluation support
- Application consultation and engineering support
- Implementation planning and transition guidance

Performance That Sticks. Sustainability That Matters.



“Leading the future of sustainable adhesive technology through innovation, performance, and environmental responsibility.”



Our technical experts are here to show you how to work with your materials successfully during every phase of your application. You can count on us to approach any challenge with genuine curiosity and care.

Contact your Avery Dennison sales representative or visit tapes.averydennison.com

Asia Pacific

Kunshan, China,
No. 618 Nanhe Road
Kunshan Economic &
Technological Zone
China 215335
Phone: +86 400 6987 555
Fax: +86 512 57155059

Europe

Tieblokkenlaan 1
B-2300 Turnhout
Belgium
Phone: +32 (0)14 40 48 11
Fax: +32 (0)14 40 48 55

North America

250 Chester Street
Painesville, Ohio
44077 USA
Phone: +1 866-462-8379
Fax: +1 888-358-4469



#MakingPossible

Please refer to tapes.averydennison.com for complete terms and conditions, including warranty terms relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

DISCLAIMER — © 2025 Avery Dennison Corporation. All rights reserved. The “Making Possible” tagline, Avery Dennison and all other Avery Dennison brands, product names and codes are trademarks of Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison. All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see terms.europe.averydennison.com.