



Science.  
Applied to Life.™

# Aircraft painting. Simplified.

## 3M™ Tapes for Aircraft Painting

Aircraft painters all over the world rely on 3M for the solutions they need to deliver the highest quality finish in the least amount of time. No one has a broader selection of proven painting solutions than 3M, so you always have the right product for the job every time.

- **3M™ Masking Tapes** have set the industry standards for quality and reliability since 3M invented the technology more than 90 years ago. They help protect surrounding surfaces from overspray, provide sharp paint lines, and remove easily and cleanly when the painting is done.
- **3M™ Vinyl Tapes** are ideal for fine line masking in many critical painting applications. They bond to a wide variety of surfaces—including resins—and resist lifting, resulting in clean paint lines and sharp color separation. They're also designed to stretch, conform and hold to curves, then lift off cleanly.
- **3M™ Foil Tapes** take durability to extremes. They make exceptional barriers against aircraft paint chemicals, as well as heat, cold, humidity and UV rays.
- **3M™ Multipurpose Products** include 3M™ Performance Plus Duct Tape 8979, 3M™ Heavy Duty Protective Tape and 3M™ FV052 Tire Vinyl-Label Products to help simplify painting and protect your finished products.

# 3M™ Tapes for Aircraft Painting

## DESCRIPTION

## USES



**3M™ Specialty High Temperature Masking Tape 5501A**  
This specialty high temperature masking tape is designed for critical paint masking applications that require excellent holding and high temperature performance. Conforms to irregular surfaces, resists bleed-through, provides sharp, precise paint lines and removes cleanly in one piece.

Ideal masking tape for painting decorative and nondecorative areas, including surfaces that have been previously painted with organic or inorganic finishes. Sticks with confidence, removes cleanly. Excellent for high temperature applications up to 300°F/149°C for 30 minutes.



**3M™ High Performance Green Masking Tape 401+**  
Designed to deliver sharp paint lines where surface temperatures can reach up to 250°F/121°C for 30 minutes. Ideal for critical paint masking applications that require strong holding and high temp performance.

Ideal masking tape for painting nondecorative areas that require conformability around corners and contours and over irregular surfaces.



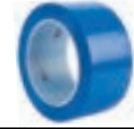
**3M™ Paint Masking Tape 231/231A**  
Designed specifically for the professional painter, this easy-handling masking tape provides instant adhesion, resists lifting, curling and slivering and maintains its integrity even when formed around corners.

Ideal for a wide range of painting challenges, including bake cycles up to 300°F/149°C for 30 minutes, decorative and nondecorative surfaces, and areas that require conformability over irregular surfaces.



**Scotch® Fine Line Tape 218**  
Features a high performance polypropylene plastic film with a low profile, high adhesion, and good moisture and solvent resistance. Conformable to stretch easily around curves. 5.0 mils thick for excellent color line separation.

Ideal for creating long, straight lines and sweeping curves where you need a crisp, sharp paint line. Often used as a layout tape for high value multi-color and custom-painted graphics.



**3M™ Vinyl Tape 471**  
Featuring a vinyl backing with a rubber adhesive, this versatile tape resists scrapes for long-lasting use. Highly conformable, it's easy to apply to curved areas or uneven surfaces and removes cleanly.

Designed to conform, stretch and hold well to curves. Ideal for creating sharp paint lines for irregular designs.



**3M™ Vinyl Tape 471+**  
Brings performance and productivity to fine line masking, creating sharp, clean paint lines and excellent color separation. Bonds to a wide variety of surfaces, including resins, then lifts off cleanly. Abrasion-resistant vinyl backing also helps protect adjacent surfaces during sanding.

Designed to conform, stretch and hold well to curves. Ideal for creating sharp paint lines for irregular designs.



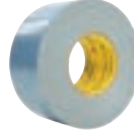
**3M™ Aluminum Foil Tape 425**  
The foil serves as an excellent barrier against moisture, dust, flame and certain chemicals used in aircraft paint stripping and masking. Temperature use range is from -65° to 300°F (-54° to 149°C).

Typically used for protecting polycarbonate windows and covering antennas, lap joints and wheel parts.



**3M™ Aluminum Foil Tape 427**  
This aluminum-foil-backed tape is a lined version of 3M™ Aluminum Foil Tape 425. It's an excellent barrier against a wide range of chemicals used in aircraft painting, as well as moisture, dust and even flames. Temperature use range is from -65° to 300°F (-54° to 149°C).

Typically used for protecting polycarbonate windows and covering antennas, lap joints and wheel parts.



**3M™ Performance Plus Duct Tape 8979/8979N**  
Constructed of polyethylene film laminated to cloth, backed by rubber adhesive, this tape conforms to irregular and curved surfaces, resists curling and tears off the roll cleanly for ease of application. Performance Plus Duct Tape 8979 is tested to UL723, ASTM E84. It can be used at temperatures up to 200°F.

Excellent for containment operations, where it provides a tight seal for attaching poly draping and closing cuffs. Also used for patching, bundling, reinforcing, tabbing, taping/splicing, marking, labeling, temporary repair and more. Clean removal after 6 months outdoor exposure.



**3M™ Heavy Duty Protective Tape 346**  
A thick backing, UV resistance and specially formulated rubber adhesive provide a strong bond and clean removal to safeguard various surfaces for up to six months in outdoor conditions.

Provides an economical way to shield many metals, plastics and materials in transit from costly surface damage.



**3M™ FV052 Tire Vinyl Label Products**  
White vinyl label stocks are durable and conformable. They feature 3M™ Adhesive P1110 for high initial tack and resistance to edge bleed and color flow. Remove cleanly.

Ideal for masking P-seals and bulb seals. Adhere well to Low Surface Energy (LSE) substrates.

**To find out more information about 3M tapes for aircraft painting visit [3M.com/IATD](http://3M.com/IATD) or call 1-800-362-3550.**



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