



# Protective UV Tapes

2AU23B/UV • 2AU26B/UV • 31U23C/UV • 31U26C/UV

Technical Data

March, 2007

**Product Description** 3M™ Protective UV Tapes are polyethylene and co-extruded polyethylene films coated with a medium-tack adhesive system featuring UV resistance.\*

Product Construction	3M™ Protective UV Tapes					
	2AU23B/UV and 2AU26B/UV			31U23C/UV and 31U26C/UV		
	Backing	Adhesive	Color	Backing	Adhesive	Color
	Multi-polymer	Acrylic	Blue**	Polyethylene	Acrylic	Clear

\*\*Note: Protective UV tape 2AU23 is also available in clear, respective product number is 2AU23C/UV. Contact your local sales representative for information regarding availability and minimum requirements.

## Typical Physical Properties

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

	Nominal Results				ASTM Test Method
	3M™ Protective UV Tapes				
	2AU23B/UV	2AU26B/UV	31U23C/UV	31U26C/UV	
Adhesion to Steel: (oz./in. width)	3	7	3	7	D-3330
Tack Level:	Low	Medium	Low	Medium	
Tensile Strength: (Break or Yield)	4500 lbs./in. width (3.1 MPA)		2500 lbs./in. width (1.7 MPA)		D-882
Elongation: (Break or Yield)	600%		450%		D-882
Total Tape Thickness:	2.0 mils (0.05 mm)		3.0 mils (0.08 mm)		D-3652
Temperature Use Range:	Up to 180°F (82°C)		Up to 140°F (60°C)		
Performance after UV Exposure:	Clean removal		Clean removal		

## Features

- UV resistant film backing and adhesive resists the effects of UV for:
  - Protective UV tapes 2AU23B/UV and 2AU26B/UV – up to 90 days\*
  - Protective UV tapes 31U23C/UV and 31U26C/UV – up to five months\*
- Removes clean after UV exposure.
- Translucent clear and blue color allow for visual inspection of parts.
- Non-staining and non-corrosive adhesive.
- Adheres to metals, plastics and glass surfaces.
- Stable adhesion levels result in good removability during application life.

\*UV performance was generated from actual exposure in South Eastern USA on selected painted metal surfaces. Accelerated laboratory weathering tests were performed on representative painted metal surfaces. **Pre-qualification testing at 3M PolyMask may not predict actual results obtained under customer process and environmental conditions and use on specific substrates so customer qualification testing and evaluation are required prior to use.** Contact technical service at 3M PolyMask for assistance @ 1-800-241-2031.

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## Application Ideas

- For aluminum and vinyl windows and frames.
  - Window and door glass.
  - Garage door panels.
  - Metal entry doors and storefronts.
  - Painted metal roofing and building panels.
  - Aluminum extrusions.
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## Application Techniques

- For optimum performance, 3M™ Protective Tapes should be applied and removed at a temperature not less than 60°F (16°C).
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## Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

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## Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-241-2031 or 828-465-3053. Address correspondence to: PolyMask, a 3M company, 500 Thornburg Dr., P.O. Box 309, Conover, NC 28613. Our fax number is 1-800-672-3038 or 828-465-2404.

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## Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that PolyMask Corporation and 3M believe are reliable. However, many factors beyond the control of PolyMask Corporation and 3M can affect the use and performance of a PolyMask Corporation and 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the PolyMask Corporation and 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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**ISO 9001:2000**

This product was manufactured under a quality system registered to ISO 9001:2000 standards by PolyMask Corporation, a 3M company.



### Industrial Business Industrial Adhesives and Tapes Division

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