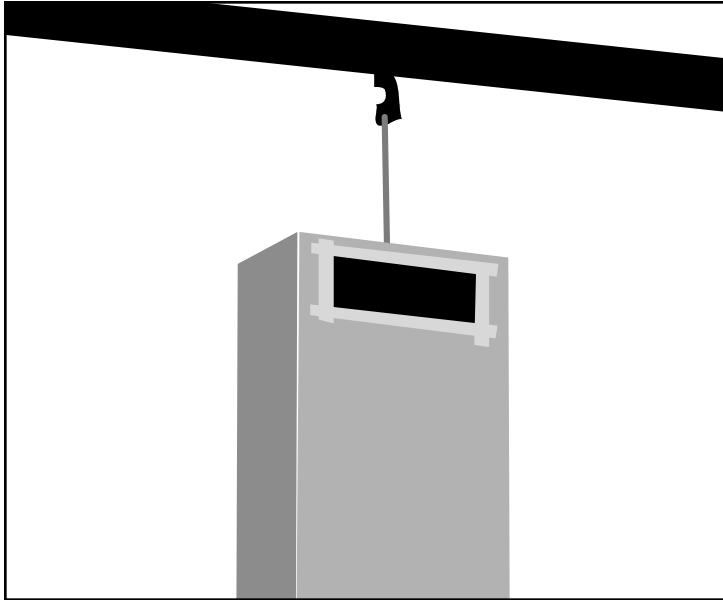


3M Application Profile

Market: General Industrial

Application Description: Masking off areas not to be coated when powder coating bus bars, cabinets, metal furniture, light fixtures, etc.



Application Method

Typically by hand.

Key Application Requirements

Short-term, high-temperature (400°F, 204°C) backing and adhesive that comes off easily and does not transfer.

Benefits/Advantages To Customer

Performance: Provides a sharp paint edge for most thermoset powder coat resin types.

One-piece removal: Removes in one piece, eliminating costly clean-up time.

Easy handling and application: The 1 mil thickness of 3M™ Polyester Tape 8901 is very conformable for use on many irregular shapes. The 2 mil thickness of 3M™ Polyester Tape 8902 promotes more strength and slightly better high-temperature performance.

Silicone adhesive: The tape easily removes after bakeout powder cure.

Polyester backing: Provides high-temperature masking of parts up to 400° F (204° C) for short periods of time.

PRODUCT

3M™ Polyester Tape 8901
3M™ Polyester Tape 8902

Process

Tape is applied to mask off areas where the powder coating is not wanted. Tape needs to be rubbed down and pushed fully into inside corners. Die-cut parts can be made by the customer or by 3M per the customer's specification. Powder coatings are paint films applied as dry powders, which are applied via a process of electrical attraction and then melted in an oven to form a solid film.

Additional Product Information

These high-temperature tapes feature a polyester backing with a high-temperature silicone adhesive.

3M[™] Polyester Tape 8901— Blue, conformable (1 mil backing) tape.

3M[™] Polyester Tape 8902— Blue, high-strength (2 mil backing) tape.

Powder Coating	Applications	Curling Temperature	Curling Time (Minutes/Hours)
Epoxy	Mainly corrosion protection	284°–464°F (140°–240°C)	20-1
Epoxy/Polyester	Mainly interior	302°–428°F (150°–220°C)	20-5
Polyester/TGIC	Mainly exterior	320°–428°F (160°–220°C)	20-2
Polyester/Primid	Similar to above/ lower surface quality	320°–392°F (160°–220°C)	20-5
Polyurethane	Weather resistant		

SIC Code

3500 — Industrial and Commercial Machinery and Computer Equipment

3600 — Electronic Equipment and Components

Key Decision Makers

Production Engineers

For Additional Information

To request additional product information or to arrange for sales assistance, call 1-800-362-3550. Address correspondence to: 3M Industrial Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

Product Use

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Industrial Business

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