



# Sandblast Stencil Products

519Y • 519YS • 519YT

Technical Data

May, 2007

**Product Description** 3M™ Sandblast Stencil Products 519Y, 519YS and 519YT consist of a tan rubber backing; and feature a double liner design for optimum support of center of letters, numbers and designs patterns. The double liner includes a yellow, translucent polyester inner liner and a white, polypropylene outer liner. The translucent yellow inner liner provides heightened visibility of cut designs.

| Product Construction | Product Number | Format                              | Rubber Color | Adhesive | Liner Material and Thickness  | Available Sizes   |
|----------------------|----------------|-------------------------------------|--------------|----------|---|---|
|                      | 519Y           | Hand-cut, Die-cut and friction feed | Tan          | Rubber   | Yellow, Translucent Polyester<br>Inner Liner: (1.5 mils)  | 10 Yard Rolls = 12 <sup>3</sup> / <sub>4</sub> ", 15", 18 <sup>3</sup> / <sub>4</sub> ", 21", 25", 30"<br>20 Yard Rolls = 30" |
|                      | 519YS          | Slot Fed                            |              |          | White, Polypropylene<br>Outer Liner: (2.0 mils)   | 10 Yard Rolls = 15" and 30"<br>20 Yard Rolls = 30"  |
|                      | 519YT          | Tractor Fed                         |              |          | 10 Yard Rolls = 15", 18 <sup>3</sup> / <sub>4</sub> ", 21", 25", 30"<br>20 Yard Rolls = 25" and 30" |   |

**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.**

|                      |                                | ASTM Test Method |
|----------------------|--------------------------------|------------------|
| Total Thickness:     | 45 mils (1.1 mm)               | D-3652           |
| Adhesion to Granite: | 23 oz./in. width (25 N/100 mm) | D-3330 (Granite) |

## Features

- Yellow, translucent inner liner for heightened visibility of cut designs.
- Easy liner release helps avoid liner stretching and design distortion.
- 3M sandblast stencil product 519Y has a double liner format which supports centers of letters, numbers and designs to help increase production output.
- Yellow inner liner allows for greater picking productivity, improved blasting accuracy and efficient cleanup of liner residue.
- Tan rubber backing is easy to cut, reducing wear on plotter knives or die-cutting equipment.
- Cut designs are easy to see, reducing eye strain and increasing picking productivity.
- 3M sandblast stencil product 519Y offers excellent blast resistance and high adhesion to stone.

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## Application Ideas

- 3M™ Sandblast Stencil Product 519Y is ideal for hand and/or die-cutting and can be used with most stencil press equipment.
- 3M™ Sandblast Stencil Product 519YS is a slot fed format compatible with Gerber plotters.
- 3M™ Sandblast Stencil Product 519YT is a tractor fed format compatible with IBM plotters.
- Protects granite, marble, wood and other stone surfaces during sandblasting operation, stencil should be rubbed down firmly to achieve maximum adhesion.
- 3M™ Sandblast Stencil Products should be applied to a warm, clean and dry surface. When the stencil is applied to cold stone surfaces it is possible for condensation to form as the stone warms. Condensation can affect the performance of the stencil's adhesive system.
- 3M™ Sandblast Filler #2 can be used on polished surfaces if increased adhesion is desired.
- 3M™ Sandblast Filler #3 can be used on axed or frosted surfaces if increased adhesion is desired.

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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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## Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 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 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 Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

### Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (fax)  
www.3M.com/industrial



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