



Sandblast Stencil Products

519YP • 519YP2 (Premium Series)

Technical Data

January, 2008

Product Description

3M™ Sandblast Stencil Products 519YP and 519YP2 (Premium Series) 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 translucent, premium polyester outer liner and a yellow, translucent polyester inner liner. The translucent yellow inner liner provides heightened visibility of cut designs. 3M sandblast stencil products 519YP and 519YP2 are available in all three formats, unpunched (3M sandblast stencil products 519YP and 519YP2), slot (3M sandblast stencil products 519YPS and 519YP2S) and tractor (3M sandblast stencil products 519YPT and 519YP2T).

Product Construction	3M™ Sandblast Stencil Product	Format	Rubber Color	Adhesive	Liner Material and Thickness	Available Sizes
	519YP	Hand-cut, Die-cut and friction feed	Tan	Rubber	Yellow, Translucent Polyester Inner Liner: (1.5 mils)	10 Yard Rolls = 15", 25" and 30" 20 Yard Rolls = 30"
	519YPS	Slot Fed			Translucent Polyester Outer Liner: (4.0 mils)	10 Yard Rolls = 15" and 30" 20 Yard Rolls = 30"
	519YPT	Tractor Fed				10 Yard Rolls = 15", 25", 27 1/2", 30" and 32 3/4" 20 Yard Rolls = 25" and 30"
	519YP2	Hand-cut, Die-cut and friction feed			Polyester Inner Liner: (1.5 mils) Outer Liner: (2.0 mils PET)	10 Yard Rolls = 12 3/4", 15", 18 3/4", 21", 25", 30" 20 Yard Rolls = 30"
	519YP2S	Slot Fed				10 Yard Rolls = 15" and 30" 20 Yard Rolls = 30"
	519YP2T	Tractor Fed				10 Yard Rolls = 15", 18 3/4", 21" 25", 30" 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:	36 oz./in. width (39 N/100 mm)	D-3330 (Granite)

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Features

- Yellow, translucent inner liner for heightened visibility of cut designs.
- Premium see-through polyester outer liner allows for faster stencil to stone alignment.
- Better adhesion for cleaner, sharper blasting results.
- Easy liner release helps avoid liner stretching and design distortion.
- Polyester liners allow for cleaner hole punching for better tracking through computer plotters.
- Wider format for a full 30-inch design and more complete stencil utilization.
- 3M™ Sandblast Stencil Products 519YP and 519YP2 have 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 products 519YP and 519YP2 offer excellent blast resistance and the highest adhesion to stone.

Application Ideas

- 3M™ Sandblast Stencil Products 519YP and 519YP2 are ideal for hand and/or die-cutting and are designed for most stencil press equipment, friction fed plotters and flatbed plotters.
- 3M™ Sandblast Stencil Products 519YPS and 519YP2S are a slot fed format compatible with Gerber plotters.
- 3M™ Sandblast Stencil Products 519YPT and 519YP2T are a tractor fed format compatible with IBM plotters.
- Protects granite, marble, concrete, wood and 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.

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

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 Adhesives and Tapes Division

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