



Sandblast Stencil Products

519Y • 519YS • 519YT

519YP2 • 519YP2S • 519YP2T

519YP • 519YPS • 519YPT

Technical Data May 2016

Product Description 3M™ Sandblast Stencil Products 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 to provide heightened visibility of cut designs during positioning and blasting. Variety of liners and hole punch styles available to meet plotter requirements.

Product Construction	Product Number	Format	Rubber Color	Adhesive	Liner Material and Thickness	Standard Roll Length
	519Y	Hand-cut, Die-cut and friction fed	Tan	Rubber	Yellow, Translucent Polyester Inner Liner: (1.5 mils) White, Polypropylene Outer Liner: (2.0 mils)	10 Yds. (9.1 m) 20 Yds. (9.1 m)
	519YS	Slot Fed				
	519YT	Tractor Fed				
	519YP2	Hand-cut, Die-cut and friction fed	Tan	Rubber	Yellow, Translucent Polyester Inner Liner: (1.5 mils) Clear, Polyester Outer Liner: (2.0 mils)	10 Yds. (9.1 m) 20 Yds. (9.1 m)
	519YP2S	Slot Fed				
	519YP2T	Tractor Fed				
	519YP	Hand-cut, Die-cut and friction fed	Tan	Rubber	Yellow, Translucent Polyester Inner Liner: (1.5 mils) Clear, Polyester Outer Liner: (4.0 mils)	10 Yds. (9.1 m) 20 Yds. (9.1 m)
	519YPS	Slot Fed				
	519YPT	Tractor Fed				

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
Adhesion to Steel:	33 oz./in. width (36 N/100 mm)	D-3330
Tensile Strength:	11 lbs/in. width (193 N/100 mm)	D-3759
Total Thickness (without Outer Liner):	48 mils (1.2 mm)	D-3652
Temperature Use Range:	Up to 120°F (49°C)	

- Features**
- 3M sandblast stencil product 519 series offers excellent blast resistance to a variety of blasting media.
 - 3M sandblast stencil product 519 series has a double liner format which supports centers of letters, numbers and designs to help increase production output.
 - Yellow, translucent inner liner has heightened visibility of cut designs allowing for greater picking productivity, improved blasting accuracy and efficient cleanup of liner residue.

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- Features (cont.)**
- Tan rubber backing is thick yet easy to cut, reducing wear on plotter knives or die-cutting equipment.
 - Clear, polyester outer, release liners of 3M sandblast stencil product 519YP and 519YP2 series allows for faster stencil to stone alignment and cleaner hole punching and tracking through computer plotters.
 - Polypropylene outer, release liner of 3M sandblast stencil product 519Y series provides a more conformable product to run through computer plotters.
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- Application Ideas**
- 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% relative humidity in the original packaging material..

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

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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