Sandblast Stencil

520 • 520ETL • 520S • 520T

Technical Data **May, 2007**

Product Description

3M™ Sandblast Stencil 520 Series, also known as computer cut, is a tan rubber sandblast stencil featuring three different liner designs.

- 3M™ Sandblast Stencil 520ETL has a 4 mil polyester liner.
- 3M™ Sandblast Stencil 520S and 520T has a 2 mil polyester liner.

Computer cuttable 3M sandblast stencil 520S is a slot feed format designed to be used with most computer plotter and can also be used as a friction feed format when liner separation during computer cutting is a concern.

Product Construction

Product Number	Backing	Rubber Color	Liner	Standard Roll Sizes*
520	Tan rubber	Grey	2 mil polyester	10½", 12½", 15", 18¾", 21", 25", 30" x 10 yds. (9 m)
520ETL			4 mil polyester	15", 30" x 10 yds. (9 m)
520S			2 mil polyester	15", 30" x 10 yds. (9 m) 30" x 20 yds. (19 m)
520T			2 mil polyester	15", 25", 30" x 10 yds. (9 m)

*Note: Contact your 3M sales representative for non-standard size information.

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 Granite:	36 oz./in. width (39 N/100 mm)	D-3330
Total Thickness:	45 mils (1.1 mm)	D-3652

Features

- 3M sandblast stencil 520 and 520ETL are ideal for hand and die-cutting and can be used with most stencil press equipment and plastic letters and designs.
- Tan rubber backing that takes distinct carbon transfer so cut lines show up clearly.
- Rubber adhesive for excellent adhesion to polished stone, wood and fillers.

Application Techniques

- It is recommended that this stencil **not be applied to cold stone surfaces** because of possible condensation forming on the surface when placed in warm areas. Apply to a warm, cleanand dry surface.
- Remove stencil scrap areas, allow stencil to relax to minimize shrinkage, then apply to stone or wood surfaces and use normal blasting procedures. When applying to stone or wood surfaces, rub stencil down firmly to achieve maximum adhesion.
- A light coat of 3M™ Sandblast Filler #2 **can be used on polished surfaces** if increased adhesion is desired. The filler is **only used on axed or frost surfaces** to help hold 3M sandblast stencils.

3M™ Sandblast Stencil

520 • 520ETL • 520S • 520T

Application Ideas

- Can be used to help protect wood, granite, marble and other stone surfaces during sandblasting operations.
- 3M™ Sandblast Stencil 520 is ideal for hand and/or die-cutting and is designed for most stencil press equipment.
- 3M™ Sandblast Stencil 520S is a slot fed format compatible with Gerber plotters.
- 3M™ Sandblast Stencil 520T is a tractor fed format compatible with IBM plotters.

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.

Warranty and Limited Remedy

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

Limitation of Liability

Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

3M

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

Recycled Paper
40% pre-consumer
10% post-consumer

3M is a trademark of 3M Company.
Printed in U.S.A.
©3M 2007 70-0709-0964-6 (5/07)