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3M™ Sandblast Stencil 510

Product Description

3M™ Sandblast Stencil 510, also known as letter perfect, can be used for hand-cut and die-cut applications as a surface protection during blasting procedures.

Product Features

- Takes distinct carbon transfer.
- Easy to cut and lines show up clearly.
- Excellent blast resistance.
- One piece removal.
- Excellent adhesion to many polished surfaces.



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Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values		Method
Total Tape Thickness	1.4 mm	45 mil	ASTM D3652
Backing	Light green colored rubber		
Adhesive	Rubber		
Liner Material	Polyester		
Liner Thickness	0.05 mm	2 mil	

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	3.3 N/cm	30 oz/in	ASTM D3330	Granite

Available Sizes

Standard Roll Sizes

123/4 in, 183/4 in, 25 in x 10 yd (9 m)

Handling/Application Information

Application Ideas

- Can be used to help protect granite, marble and wood during sandblasting operations:
 - a. Designed for single-process technique and straight blasting.
 - b. Used for two-process shape carving.
- Excellent for wood sign sandblasting.
- Can be used for gaskets, cushioning and other applications where heavy, uniform caliper is desired.

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Handling/Application Information (continued)

Application Techniques

- It is recommended that this stencil not be applied to cold stone because of possible condensation forming on the surface when placed in warm areas and should be applied to a warm, clean and dry surface.
- To minimize shrinkage, allow rubber backing to relax before applying to the stone. Rub down firmly to adhere stencil to the stone. Use 3M™ Sandblast Filler #2 to help increase adhesion and hold stencil to polish stone surfaces.
- Can be die-cut by reversing the liner so that the non-treated side of the liner is against the adhesive.

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 12 months from date of manufacture.

Trademarks

3M is a trademark of 3M Company.

References

1. 3m.com Product Page
Url: http://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Sandblast-Stencil-Hand-Cut-Splice-Free-510?N=5002385+3293241718&rt=rud
2. Safety Data Sheet
Url: https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=510

ISO Statement

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

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