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**Technical Data Sheet 05916**

**Public**

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## 3M™ Welding and Spark Deflection Paper

### Data Sheet

<b>3M Part No.(s)</b>	<b>3M Part Descriptor(s)</b>
05916	3M™ Welding and Spark Deflection Paper

3M Fax on Demand Identification Number: 05916

#### Description

3M™ Welding and Spark Deflection Paper is a flame-retardant, repositionable, adhesive-backed paper product used to protect vertical surfaces from damage caused by welding spatter and grinding sparks.

#### Features, Advantages, Benefits

<b>Features</b>	Flame retardant Repositionable Easy to install Relatively inexpensive
<b>Advantages</b>	Suppresses burning from welding spatter and grinding sparks Can be adjusted after initial installation to insure correct position Little time spent during installation Low-cost but vital protection
<b>Benefits</b>	Protects glass, paint, other damageable surfaces from spatter and sparks Can be worked into correct position, no product waste from incorrect installation Minimal time spent for valuable protection Minimal dollars spent for valuable protection

#### Typical Physical Properties

<b>Container</b>	Plastic Bag
<b>Base</b>	1 roll
<b>Density lbs/Gallon (Appx.)</b>	NA
<b>Color</b>	Brown paper with 3M printing
<b>Flash Point - °F</b>	NA
<b>Viscosity (CPS) Brookfield Viscometer</b>	NA
<b>Solids Content (Appx.)</b>	100%
<b>Consistency</b>	Solid paper
<b>Solvent</b>	NA
<b>Service Temperature - °F</b>	Normal shop conditions

<b>Weight per area</b>	95 g/m <sup>2</sup>
<b>Size of roll</b>	24 in. wide x 150 ft. long
<b>Rolls per case</b>	2

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#### Product Uses

Product is designed for use on vertical surfaces, such as

- automotive glass
- painted sheet metal
- automotive light fixtures
- many other vertical surfaces

The product is not designed for installation on horizontal surfaces, such as roofs, decklids, hoods, carpeting on floorboards. It is not designed to prevent heat transfer from sparks or spatter that are allowed to sit in one position on the paper, these will burn through.

If the surface is horizontal, has areas where sparks could catch and burn, or if there are any other questions about whether this product is appropriate, it is better to use 3M™ High Performance Welding Drape (PN 05919).

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#### Performance Properties

3M AT-177 burn test (12 second flame exposure, burn length): 5.4 inches

3M AT-174 peel test: 31.9 grams piw

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## Handling and Application Information

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#### Directions for Use

1. Install 3M™ Welding and Spark Deflection Paper (PN 05916) in its designated dispenser, PN 05912
2. Pull and tear off an appropriately-sized piece for the application.
3. Install by pressing in place on the surface to be protected. If more than one sheet will be used, install from the bottom first and then continue installing new sheets above it, overlapping by at least 1 inch. This is to insure that any seams between sheets will allow sparks to roll over easily and not get caught, which could cause a burn.
4. Be sure the sheets are free from wrinkles. Wrinkles can provide ledges for sparks to catch on, allowing them to burn through and damage the substrate underneath.
5. When the work is complete, remove the paper. Do not allow the paper to sit for more than 1 week, to be exposed to prolonged direct sunlight, or to get wet. These conditions may cause some adhesive to transfer to the substrate, and this will need to be removed with a solvent such as 3M General Purpose Adhesive Cleaner (PN 08984, 08986, 08987).
6. Reusing the paper on different substrates may work until the adhesive is no longer tacky, but for best results use each piece for 1 application and discard.

\* If 'Directions for Use' reference P.N.'s 08984, 08986, or 08987, please read. Federal and local air quality regulations may regulate or prohibit the use of surface preparation and cleanup solvents based on VOC content. Consult your local and Federal air quality regulations for information. When using solvents, use in a well ventilated area. Extinguish all sources of ignition in the work area and observe precautionary measures for handling these materials. Refer to product label and MSDS for P.N. 8984, 8986, or 8987 for detailed precautionary information.

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#### Applications

Product is designed for use on vertical surfaces, such as

- automotive glass
- painted sheet metal
- automotive light fixtures
- many other vertical surfaces

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### **Storage and Handling**

Store at room temperature. Rotate stock on a "first-in-first-out" basis. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 12 months.

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### **Precautionary Information**

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product.

### **Country**

**This document is public. It may be distributed.**

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### **Warranty and Limited Remedy**

This product will be free from defects in material and workmanship at the time of shipment. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If this product is defective, your exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's option, to replace the product or refund the purchase price.

**LIMITATION OF LIABILITY: 3M and seller will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.**

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### **For Additional Health and Safety Information**

3M Automotive Aftermarket Division  
3M Center, Building 223-6N-01  
Saint Paul, MN 55144-1000  
1-877-666-2277 (1-877-MMM-CARS)

Material Safety Data Sheets and Technical Data Sheets are also available by calling Fax on Demand 1-800-305-0419.  
Help Line 1-800-621-5455 (US) 1-650-596-4407 (International).

**3M Fax on Demand/MSDS Identification Number 05916**

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This is the last page