



Self-Stick Liquid Protection Fabric

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Technical Data

July 2019

3M Part Number	3M Part Descriptor
36876	3M™ Self-Stick Liquid Protection Fabric, 4" x 300', 6 rolls per pack
36877	3M™ Self-Stick Liquid Protection Fabric, 6" x 300', 4 rolls per pack
36878	3M™ Self-Stick Liquid Protection Fabric, 14" x 300', 1 roll per case
36879	3M™ Self-Stick Liquid Protection Fabric, 28" x 300', 1 roll per case
36880	3M™ Self-Stick Liquid Protection Fabric, 36" x 300', 1 roll per case
36881	3M™ Self-Stick Liquid Protection Fabric, 48" x 300', 1 roll per case
36882	3M™ Self-Stick Liquid Protection Fabric, 56" x 300', 1 roll per case
51005	3M™ Self-Stick Liquid Protection Fabric, 28" x 100', 1 roll per case

Product Description

Expanding the capabilities of our well-known 3M™ Dirt Trap Protection Material products, 3M™ Self-Stick Liquid Protection Fabric is developed specifically for temporary surface protection from fluids, dirt and a wide range of other contaminants in industrial applications. This thin, lightweight adhesive-backed surface protection material features a robust polymer layer that prevents grease, grime, solvents and other liquids from seeping through and damaging the surfaces beneath. Unlike paper or plastic sheeting, its non-woven surface – engineered by 3M specifically to trap dirt, dust, debris and overspray – prevents small particles from spreading through the facility where they can settle on work surfaces and cause damage and rework.

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Features, Advantages, and Benefits

Features:

1. Polymer barrier layer
2. Polyester non-woven construction
3. Acrylic engineered adhesive
4. Temporary surface protection

Advantages:

1. Holds out a variety of liquids
2. Traps and holds dust, dirt, and other contaminants
3. Adheres quickly and removes cleanly
4. Minimizes regular and/or periodic maintenance
5. Durable construction

Benefits:

1. Minimizes spill clean-up time and protects work and work surfaces
2. Contributes to a cleaner work environment
3. Quick and easy change out reduces maintenance
4. Withstands high traffic and heavy equipment while still removing in one piece
5. Protects work surfaces from light abrasion and impacts

Product Uses

3M™ Self-Stick Liquid Protection Fabric is designed for temporary surface protection of work surfaces such as floors, table tops, etc. Benefits include: protection from liquids; trapping of dust, dirt and contaminants; light abrasion and impact protection; and self-stick construction provides easy application and clean up contributing to a cleaner work environment.

Example applications include: temporarily protecting work surfaces such as floors, table tops, ship decks, airplane wings, etc. The material can also be used as floor runners between the plant and office areas, can be used to protect prep bay areas, etc. See below for proper product installation and removal methods.

For professional use only. Not intended for retail sale.

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Performance Properties

The following times have been determined with ambient air temperature and substrate temperature @ 77°F (25°C) and are considered typical values.

Color	Light Blue
Thickness (mil)	4-5
Length of Roll (ft)	300
Adhesion to Steel (oz/in)	14
Tensile Strength (lb/in)	28
Elongation (%)	31

Static Discharge

3M™ Self-Stick Liquid Protection Fabric is a strippable covering intended to help protect and facilitate cleaning of work surfaces.

Do not use product when explosive concentrations of ignitable materials are present. Provide mechanical ventilation to disperse or exhaust ignitable vapors and dust in accordance with good industrial hygiene practice.

Flammability

3M™ Self-Stick Liquid Protection Fabric was tested based on the recommended use as a floor covering to determine its surface burning characteristics. The results of that test are shown below.

Flammability Class:

3M™ Self-Stick Liquid Protection Fabric

*Class I Interior Floor Finish ASTM E648

Average Critical Radiant Flux > 1.08W/cm²

*Class I (A) Interior Wall Finish ASTM E84

Flame Spread Index = 5, Smoke Developed Index = 0

**Most fire resistant class as defined in NFPA 101, "Code for Safety to Life from Fire in Buildings and Structures"*

Note: It is possible that the processes performed at the end user could change the surface burning characteristics of the product. As such, it is important that users perform routine maintenance to remove any potential hazards on a regular basis. 3M™ Self-Stick Liquid Protection Fabric should be replaced based on the change out schedule below or earlier to maintain a safe working environment.

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Directions For Use:

Installation Instructions

Important – Product is intended for temporary surface protection. Surfaces must be clean, dry, and free of any chemical cleaners and/or contaminants. Test the material in a small inconspicuous area first to ensure adequate adhesion and clean removal. Prior to introducing the product into any new location, especially those where ignitable materials are present, the user should conduct a proper industrial hygiene risk assessment to confirm the product is appropriate for their particular setting and application, and can be safely used.

Required surface preparation:

- Sweep or vacuum surfaces to remove loose dirt and dust
- Surfaces must be thoroughly dry for proper adhesion
- Surfaces must be free of all chemical cleaners and/or residue

Recommended application:

- Avoid stretching material during installation
- Avoid large overlaps (in excess of 1")
- Smooth material down with a spreader and/or a soft bristle push broom
- Cut to length with scissors or a razor blade from the non-adhesive side

Spill protection:

- Product construction is designed to be impermeable to many liquids – including common water-borne or solvent-borne products (paints, cleaners, etc.) and oils
- To ensure safety, it is recommended to clean up spills that pool on the surface of the product after the spill occurs
- Product can continue to be used after the spill has been cleaned up

Removal

- Prior to application and/or removal users are instructed to provide mechanical ventilation to disperse or exhaust ignitable vapors and dust in accordance with good industrial hygiene practice.
- Make sure all liquid combustible type products have been removed or have evaporated.

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Directions for Use: (continued)

- Manually pull up the product in the same direction that it was applied.
- Vacuum up any loose debris if necessary.
- Reapply product to the work surface(s) following the “Installation Instructions”.

Note: For difficult removal and/or delamination of the product follow these steps to aid in removal.

Important: Prior to handling any chemical product, please refer to the product label, Safety Data Sheet (SDS) and product inserts for information on safe and proper handling

- Before the product is removed, wet the top surface with 3M #26 Industrial Degreaser 3M ID #70-0715-9446-2 or equivalent and an appropriate spray container. Once all the product is wet pull up the product in the same direction it was applied.
- Neutralize the surface that was being protected with 3M™ Neutral Cleaner 3H, 3M ID #70-0715-9192-2 or equivalent and an appropriate spray container.
- Dry the surface using a squeegee and/or a clean towel.
- Once dry, the surface is ready to be covered and protected again.

Note: For adhesive transfer of the product follow these steps to aid in removal.

Important: Prior to handling any chemical product, please refer to the product label, Safety Data Sheet (SDS) and product inserts for information on safe and proper handling.

- Wet the surface with a citrus-based cleaner or other adhesive type removers.
- Dry the surface using a squeegee and/or a clean towel.
- Once dry, the surface is ready to be covered and protected again.

Change out recommendation:

- For most applications, the general guideline would be 2-4 weeks.
 - Outdoor applications on fully cured surfaces: no more than 2 weeks
 - Indoor applications on fully cured surfaces: up to 4 weeks depending on exposure to traffic (foot & machinery) and abrasion
- To ensure clean and easy removal, the material change out schedule should be based on the type of surface, amount of liquid, as well as the weight and frequency of the traffic going over the product.

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Disposal	Consult local, state, and federal guidelines for proper disposal.
Applications	3M™ Self-Stick Liquid Protection Fabric is intended for temporary surface protection. Surfaces must be clean, dry, and free of any chemical cleaners and/or contaminants. Test the material in a small, inconspicuous area first to ensure adequate adhesion and clean removal without surface damage.
Storage and Handling	<ul style="list-style-type: none">• For best performance, use this product within 24 months from the date of manufacture.• Store product in the original carton under normal conditions of 70°F (21°C) and 50% relative humidity.• Avoid storing material in temperatures above 85°F (29°C) for long periods of time.• Keep material covered and clean.
⚠ WARNING:	To reduce the risks associated with fire and explosion: Do not use product when explosive concentrations of ignitable materials are present. Provide mechanical ventilation to disperse or exhaust ignitable vapors and dust in accordance with good industrial hygiene practice.
⚠ WARNING:	To reduce the risks associated with fire and explosion or tripping and falling: Pooled liquid on the product should be wiped up immediately.
⚠ CAUTION:	To reduce the risks associated with tripping and falling: Ensure product edges are bonded firmly to flooring and/or walking surfaces.

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Precautionary Information

Before using this product, please reference Product Label and/or Safety Data Sheet for Health and Safety Information. Note: Laws controlling the acceptable amounts of Volatile Organic Compounds (VOCs) vary by state, and in some cases by locality. For surface preparation and clean-up activities, consult federal, state and local regulations regarding use of products containing VOCs in your area.

Technical Information

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Product Selection and 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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