



## At the touch of a finger – bonding power for substrates from paper to metal

3M aerosol adhesives go to the job and are always ready when needed. Only a finger's touch puts a job-matched formulation to work on paper, plastic, cardboard, foam, metal, and more.

3M introduced the first industrial-grade aerosol adhesive over 40 years ago, and now you can select from a wide range of performance and application characteristics for production and maintenance jobs. Most 3M aerosol adhesives also have a controlled spray pattern to help minimize overspray and cleanup.

3M aerosol adhesives contain no methylene chloride, chlorofluorocarbons (CFCs), or 1,1,1-trichloroethane (methyl chloroform), and are California compliant.



With fast tack, long bonding range, and little or no soak-in, 3M™ Super 77™ Multipurpose Spray Adhesive is a versatile tool for bonding lightweight materials that include fabrics, plastics, soft foams, paper, cardboard, and thin gauge metals.



With 3M™ FoamFast Cylinder 74 Spray Adhesive a fast light coat bonds quilted fabric to solid core mattress. High coverage reduces applied cost. Foam-tearing strength prevents cover spin.



Expanded polystyrene panels used for decorative trade show booth facings are easily bonded to plywood panels with 3M™ Insulation 78 Spray Adhesive. After assembly, the panels are textured and painted to resemble stone.



Clear spray 3M™ Shipping-Mate™ Labeling Adhesive permanently bonds labels to many problem surfaces such as glass, rubber, or metal where other adhesives or gummed labels may fail. Moisture-resistant formulation.



Low misting lace spray patterns of 3M™ 72, 74, 76, 78 and 90 Spray Adhesives target adhesive where you want it for clean, precise application. Adjust patterns from approximately 1" to 4" widths.



3M™ FoamFast 74 Spray Adhesive quickly bonds flexible urethane or latex foams to themselves and many other materials. Bond reaches foam-tearing strength with a soft, non-dimpling bond line.



3M™ Hi-Strength 90 Spray Adhesive typically bonds edge banding in 60 seconds compared to 15-20 minutes for many typical bulk contact adhesives. Strength increases to an ultimate 230 psi in shear and 25 piw in peel.

## Product Information: 3M™ Aerosol Adhesives

	Product	Description	Spray Width	Bonding Range Surfaces One/Both	(PSI) Shear <sup>(1)</sup> Initial/Ultimate	Relative Adhesion		Coverage Sq. Ft./ Container <sup>(6)</sup> (Typical)
						Peel Strength (PIW) <sup>(2)</sup>	Temperature Resistance <sup>(3)</sup>	
Aerosol Adhesives	Blue 72 Spray Adhesive	<ul style="list-style-type: none"> <li>Repositionable with aggressive tack</li> <li>Bond polyethylene film</li> <li>Foam and carpet • Blue color</li> </ul>	1" - 4" variable	8 hr./7 days	20/85	8	120°F (49°C)	100
	FoamFast 74 Spray Adhesive	<ul style="list-style-type: none"> <li>Fast tack with foam-tearing strength</li> <li>Soft, non-dimpling glue line</li> <li>General upholstery foam bonding</li> <li>Knife edge bonding, boxing, edge turning</li> </ul>	1" - 4" variable	N/R/15 min.	40/205	20	120°F (49°C)	260
	Repositionable 75 Spray Adhesive	<ul style="list-style-type: none"> <li>Clear "tape-like" holds badges during stitching and patterns prior to cutting</li> <li>No bleed, stain or wrinkle</li> </ul>	1½"	1 hr./3 hrs.	15/65	5	120°F (49°C)	100*
	Hi-Tack 76 Spray Adhesive	<ul style="list-style-type: none"> <li>Multi-purpose with high temperature resistance</li> <li>Strong one-surface bonds</li> </ul>	1" - 4" variable	10 min./1 hr.	25/100	25	160°F (71°C)	100
	Super 77 Multipurpose Spray Adhesive	<ul style="list-style-type: none"> <li>Fast, aggressive tack for bonding many lightweight materials</li> </ul>	1½" - 4" fan	15 min./30 min.	25/160	15	110°F (43°C)	220
	Polystyrene Foam Insulation 78 Spray Adhesive	<ul style="list-style-type: none"> <li>Bonds most insulation including expanded polystyrene and extruded polystyrene</li> <li>Fast-drying will not attack foam board</li> </ul>	1" - 4" variable	5 min./15 min.	7/67	15-20	140°F (60°C)	100
	Rubber & Vinyl 80 Spray Adhesive	<ul style="list-style-type: none"> <li>Neoprene-based contact adhesive with plasticizer resistance</li> <li>Bond supported vinyl, leather, most rubber, most plastics, laminate and wood • Resists over 200°F (93°C)</li> </ul>	3"	N/R/1 hr.	50/400	35	200°F (93°C)	75/30 <sup>(4)</sup>
Hi-Strength 90 Spray Adhesive	<ul style="list-style-type: none"> <li>High contact bond for decorative laminate • Adheres polyethylene and polypropylene to wood, metal, and more</li> <li>One minute dry time</li> </ul>	1" - 4" variable	N/R/15 min.	45/230	25	160°F (71°C)	100	
3M™ Shipping-Mate™ Aerosols	Case Sealing Adhesive	<ul style="list-style-type: none"> <li>10-second holding strength with carton-tearing strength in 5 minutes</li> <li>Convenient for shipping room carton closure and warehouse reclosure after inspection</li> </ul>	1" - 4" variable	N/R/15 min.	40/160	N/A	160°F (71°C)	100
	Labeling Adhesive	<ul style="list-style-type: none"> <li>Clear, fast-tacking • Holds labels to many corrugated cartons and problem surfaces such as glass, plastic and more</li> <li>Moisture-resistant bond</li> </ul>	2.5"	10 min./N/R	15/120	N/A	130°F (54°C)	90
	Palletizing Adhesive	<ul style="list-style-type: none"> <li>Nearly immediate tack permits bags to be stacked on pallets without slipping</li> <li>Easy separation after shipment • Clear color</li> </ul>	1.5"	10 min./N/R	10/10	N/A	110°F (43°C)	300

(1) IATD T.M. C-700; 1/8" birch veneer bonded to 1/8" birch veneer.

(2) IATD T.M. C-449.

(3) IATD T.M. C-483; 500 g load for 1 hr. at noted temp.

(4) Plastic laminate bonding @ 3-5 g/sq. ft. coverage

(5) Coverage based on container sizes 24 fluid ounce or 16 fluid ounce size cans.

N/R = Not Recommended

## Product Information: 3M Adhesives in Bulk

3M's most popular aerosol adhesives are now available in bulk form. The following characteristics of interest to higher volume users supplement the chart above.

	Product	Features	% Solids	VOCs (g/liter)	Size
Bulk Adhesives	Super 77 Bulk Adhesive	<ul style="list-style-type: none"> <li>High coverage</li> <li>Low soak-in for long lasting bonds</li> </ul>	36–38%	495	55 Gal., 5 Gal.
	Hi-Strength 90 Bulk Adhesive	<ul style="list-style-type: none"> <li>High temperature resistance</li> </ul>	22–24%	507	55 Gal., 5 Gal.
	Polystyrene Foam Insulation 78 Bulk Adhesive	<ul style="list-style-type: none"> <li>High coverage</li> <li>Fast strength build-up</li> </ul>	34-36%	435	55 Gal., 5 Gal.
Cylinder	FoamFast 74 Adhesive Cylinder	<ul style="list-style-type: none"> <li>Orange or clear</li> </ul>	22%	563	28.8 lbs.
	Polystyrene Foam Insulation 78 Cylinder	<ul style="list-style-type: none"> <li>Does not dissolve polystyrene foam</li> </ul>	19%	558	28.8 lbs.
	Hi-Strength Adhesive 90 Cylinder	<ul style="list-style-type: none"> <li>Temperature resistance up to 160°F (71°C)</li> </ul>	13%	571	28.8 lbs., 15.6 lbs.

Note: The technical information and data on these pages should be considered representative or typical only and should not be used for specification purposes.



## Convenience and a fistful of work power for maintenance and production

In thousands of factories and plants, these aerosol chemicals are proven daily to save time and effort in maintenance and production. Lubricating, cleaning, inhibiting rust, and other tough jobs become finger-touch easy.

Compact container fits in a tool box to go readily to any job site and can help you reduce storage space and cost. With targeted application you get more useable product for your money.

3M aerosol chemicals contain no methylene chloride, chlorofluorocarbons (CFCs), or 1,1,1-trichlorethane (methyl chloroform).



104

36



105

3M™ Silicone Lubricant lubricates cutting tools and tables. Fast, easy application helps prevent buildup of adhesive, wax, inks, and paints. Won't stain or become gummy.



106

For fast, easy cleanup of gears, 3M™ Citrus Base Cleaner helps soften and loosen grease, oil and grime. After using this heavy-duty degreaser/cleaner, just wipe away with a shop towel.



107

Freeing rusted nuts, bolts, and frozen threaded parts are only a few of the many applications for 3M™ 5-Way Penetrant.

## Product Information: 3M Aerosol Chemicals

	Product	Description	Temperature Resistance
Aerosol Chemicals	Silicone Lubricant	<ul style="list-style-type: none"> <li>Lubricates cutting tools and tables</li> <li>Helps prevent buildup of glues, wax, inks, paints</li> <li>Won't stain or become gummy</li> <li>FDA listed ingredients*</li> </ul>	350°F (177°C)
	5-Way Penetrant	<ul style="list-style-type: none"> <li>Penetrates, lubricates, demoisturizes, cleans and helps prevent rust</li> <li>Frees rusted, frozen nuts</li> <li>"Dries out" electrical apparatus</li> <li>Inhibits corrosion and pitting of moulding dies and extension screws</li> </ul>	N/A
	Citrus Base Cleaner	<ul style="list-style-type: none"> <li>Multi-purpose, citrus-scented cleaner removes grease, dirt, oil and adhesive overspray from equipment</li> <li>Softens liquid adhesive and tape residue</li> </ul>	N/A
	Adhesive Remover	<ul style="list-style-type: none"> <li>Specifically formulated to remove adhesive from many substrates with no residue</li> <li>Citrus-scented</li> </ul>	N/A
	Adhesive Remover Pen	<ul style="list-style-type: none"> <li>Same as aerosol Adhesive Remover but more precise application with pen tip</li> </ul>	N/A

\*FDA Listed Ingredients: The ingredients of this product, when dried after application, are listed as indirect food contact additives when used with minimal opportunity for exposure. See 21 CFR 178.3570, 178.3910, and 181.28

Note: The technical information and data on these pages should be considered representative or typical only and should not be used for specification purposes.