



Industrial Aerosol Adhesives and Chemicals

*Easy and
convenient
bonding,
packaging,
cleaning,
lubricating,
and more*





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

With 3M aerosol adhesives, only a 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. 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, clean-up, and unused adhesive.

- Handy self-contained applicators save the expense of complex application systems
- Compact container with storage stability helps reduce storage costs
- Contain no methylene chloride, chlorofluorocarbons (CFCs), or 1,1,1-trichloroethane (methyl chloroform).

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



Non-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 1" to 4" width.



3M™ High-Strength 90 Spray Adhesive targets a controlled track of contact adhesive that can typically bond edge banding and decorative laminate in 60 seconds.

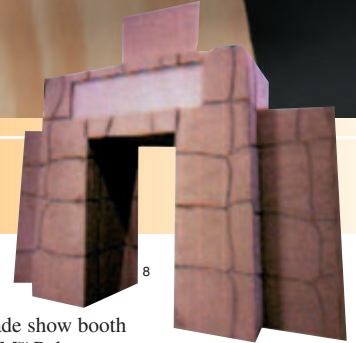


5

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.



6



8

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

Pressurized cylinder or bulk for higher volume



9

3M™ Polystyrene Foam Insulation 78 Spray Adhesive bonds polystyrene inserts to polystyrene panels for complex packaging inserts. No-clog pressurized cylinder goes to the job without the restrictions and expense of bulk reservoirs



10

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



3M Aerosol Adhesives

Product Information

Product	Features	Application Ideas
Blue 72 Spray Adhesive  11	<ul style="list-style-type: none"> • Able to reposition • Aggressive tack • Precise spray control • Low soak-in • Variable width spray pattern • Blue color 	<ul style="list-style-type: none"> • Polyethylene film bonding • Polyethylene foam bonding • Carpet bonding • Temporary positioning and holding fabric, film, and paper • Pipe insulation lap adhesive • Swimming pool liners
FoamFast 74 Spray Adhesive  12	<ul style="list-style-type: none"> • Fast track • Foam tearing strength • Soft, non-dimpling glue line • Low misting, precise spray control • Variable width spray pattern 	<ul style="list-style-type: none"> • General upholstery foam bonding • Bond smaller foam pieces together • Form foam shapes by knife edge bonding, boxing, edge turning • Attach foam to metal • Bond fabrics to aircraft interiors, speakers, office partitions
Repositionable 75 Spray Adhesive  13	<ul style="list-style-type: none"> • Provides “tape-like” bonds • Adheres in seconds • Permits materials to be repositioned • Resists bleeding, staining or wrinkling • Smooth glue line • Clear 	<ul style="list-style-type: none"> • Hold emblems and badges during stitching • Fixture lightweight materials • Hold T-shirts during silk screening • Temporarily hold paper masking in place
Hi-Tack 76 Spray Adhesive  14	<ul style="list-style-type: none"> • Strong, one-surface bonds • High temperature resistance • Low misting, precise spray control • Variable width spray pattern 	<ul style="list-style-type: none"> • Bond carpet, door skins and fabric in van conversions • Attach nameplates, pool table fabrics, pool liners, pipe insulation • Bond insulation in aircraft interiors and specialty cabinets
Super 77 Multipurpose Spray Adhesive  15	<ul style="list-style-type: none"> • High coverage • Versatile – securely bonds many lightweight materials • Low soak-in for long lasting bonds • Fast, aggressive tack • Long bonding range 	<ul style="list-style-type: none"> • Excellent for variety of display and furniture jobs • Attach fiberglass insulation • Attach wiring diagrams and labels • Bond some gaskets • Bond thin decorative film, foils, and fabrics
Polystyrene Foam Insulation 78 Spray Adhesive  16	<ul style="list-style-type: none"> • Bonds expanded or extruded polystyrene and other insulation materials to themselves and to other surfaces without degrading the foam • Fast drying • Bonds with strength greater than foam itself • Spray pattern width adjusts from 1”-5” • High coverage 	<ul style="list-style-type: none"> • Hold corner inserts for corrugated packaging • Bond insulation on concrete or cinder block walls • Assemble extruded decorative shapes • Bond foams used in trade shows and theater sets
Rubber & Vinyl 80 Spray Adhesive  17	<ul style="list-style-type: none"> • Neoprene-based contact adhesive • Plasticizer resistance • High temperature resistance to 200°F (93°C) • Fast drying; fast bonding • Durable – high strength adhesive 	<ul style="list-style-type: none"> • Bond all types of rubber except EPDM • Bond most supported vinyl, leather • Adhere stainless steel panels, stiffeners, and metal kick plates • Adhere many plastics, laminate and wood products
High-Strength 90 Spray Adhesive  18	<ul style="list-style-type: none"> • Fast, high contact bond strength • One to 10-minute open time • High temperature resistance • Low misting, precise spray control • Variable width spray pattern 	<ul style="list-style-type: none"> • Bond decorative laminate to tables, cabinets, and shelving • Bond kick plates to office desks • Adhere polyethylene, polypropylene to wood, metal, and many other materials • Attach plastic sign lettering to wood

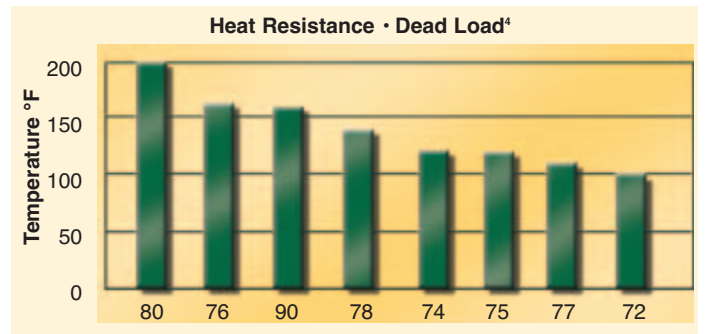
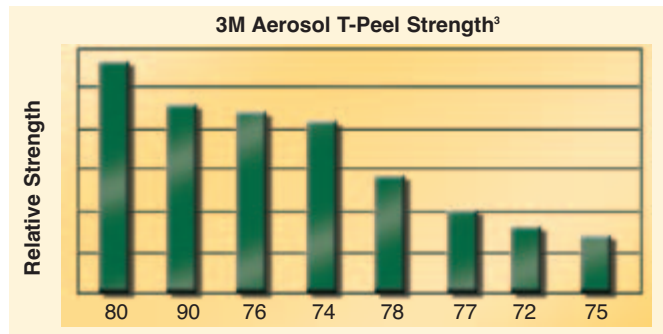
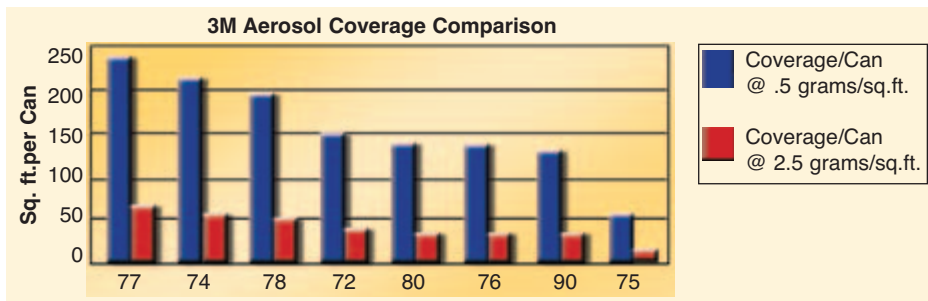
Note: The technical information and data above should be considered representative or typical only, and should not be used for specification purposes.



3M Aerosol Adhesives

Product Information

Product	Container Size	Spray Pattern	Color	VOC's ¹ %	FDA Listed Ingredients ²	% Solids	Bonding Range	
							One Surface	Both Surfaces
Blue 72 Spray Adhesive	24 fl. oz.	Variable Controlled Lace	Blue	55	No	15	8 hrs. +	7 days
FoamFast 74	24 fl. oz.	Variable Controlled Lace	Orange or Clear	55	No	22	NR	15 min.
Repositionable 75 Spray Adhesive	16 fl. oz.	Particle	Clear	58	No	9.4	1 hr.	3 hrs.
Hi-Tack 76 Spray Adhesive	24 fl. oz.	Variable Controlled Lace	Translucent	55	Yes	13.5	10 mn.	1 hr.
Super 77 Multipurpose Spray Adhesive	24 fl. oz.	Particle - fan	Nearly Clear	51	Yes	25	15 mn.	30 min
Polystyrene Foam Insulation 78 Spray Adhesive	24 fl. oz.	Variable Controlled Lace	Translucent	55	No	19	5 mn.	15 min.
Rubber & Vinyl 80 Spray Adhesive	24 fl. oz.	Lace	Yellow	55	No	13	NR	1 hr.
Hi-Strength 90 Spray Adhesive	24 fl. oz.	Variable Controlled Lace	Translucent	55	Yes	13	NR	10 min.



¹VOC's = Volatile Organic Compounds ²The ingredients of the product when dried after application are listed as indirect food additives under FDA regulation 21 CFR 175.105.
³3M Test Method C-449. ⁴3M Test Method C-483. NR - Not Recommended

Bulk Adhesives

3M's most popular aerosol adhesives are now available in bulk form. The following characteristics which may be of interest to higher volume users supplement the chart on page 4.

	Product	Features	% Solids	VOCs (g/liter)	Size
Bulk Adhesives	Super 77 Bulk Adhesive	• High coverage • Low soak-in for long lasting bonds	36-38%	495	55 Gal., 5 Gal.
	Hi-Strength 90 Bulk Adhesive	• High temperature resistance	22-24%	507	55 Gal., 5 Gal.
	Polystyrene Foam Insulation 78 Bulk Adhesive	• High coverage • Fast strength build-up	34-36%	435	55 Gal., 5 Gal.
Cylinder	FoamFast 74 Adhesive Cylinder	• Orange or clear	22%	563	28.8 lbs.
	Polystyrene Foam Insulation 78 Cylinder	• Does not dissolve polystyrene foam	19%	558	28.8 lbs.
	High-Strength 90 Adhesive Cylinder	• Temperature resistance up to 160°F (71°C)	13%	571	28.8 lbs., 15.6 lbs.

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



3M™ Shipping-Mate™ Aerosol Adhesive

3M™ Shipping-Mate™ Aerosols for convenient packaging.

Containment, communication and protection are a package's full job. Put packages to work optimally and more conveniently with user-friendly 3M Shipping-Mate Aerosols.



19




3M™ Case Sealing Adhesive helps save time and money if you have cartons that come unglued, fill cartons by hand, open cartons for inspection, or fill miscellaneous orders.



20

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. This is a result of 3M's moisture-resistant formulation.

Product information

Product	Features	Application Ideas
Case Sealing Adhesive  21	<ul style="list-style-type: none"> Fast holding strength Strong carton-tearing strength in five minutes Non-misting, precise spray control 	<ul style="list-style-type: none"> Shipping room carton closure Warehouse for inspections and reclosing cartons Quality control shipments of samples, etc. Recoupage of cartons
Palletizing Adhesive  22	<ul style="list-style-type: none"> Fast tack High coverage Low soak-in 	<ul style="list-style-type: none"> Stack plastic bags neatly on pallets Hold plastic bags together during shipment Hold corrugated cartons together Allows easy separation of containers after shipment
Labeling Adhesive  23	<ul style="list-style-type: none"> Fast tack Holds labels to nearly any surface No residual tack, stays clean around the label Moisture resistant 	<ul style="list-style-type: none"> Corrugated cartons Glass containers Plastic containers Metal and fiber drums

Product	Container Size	Spray Pattern	Color	VOC's	FDA Listed Ingredients ¹	One Surface	Both Surfaces	Coverage (sq. ft.)	Temp. Resist. ²
Case Sealing Adhesive	24 fl. oz.	Variable Controlled Lace	Translucent	55%	No	NR	15 mn.	100	160°F
Palletizing Adhesive	24 fl. oz.	Particle	Translucent	51%	Yes	10 mn.	NR	300	110°F
Labeling Adhesive	24 fl. oz.	Particle	Clear	65%	No	10 mn.	NR	90	130°F

¹The ingredients of the product when dried after application are listed as indirect food additives under FDA regulation 21 CFR 175.105.

²3M Test Method C-483.
NR - Not Recommended

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



3M Maintenance Aerosols

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. Lubricating, cleaning, inhibiting rust, and other tough jobs become easy. Cleaners also prep surfaces to help improve adhesive bonding.

Compact container fits in a tool box to go readily to any job site and can help you reduce storage space and cost.

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



For fast, easy clean-up 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.



Spray 3M™ Adhesive Remover on metal parts and wipe away prior to adhesive bonding, tape application, painting, coating, or further processing. Removes soil and contaminants that could interfere with proper adhesion.





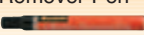


Penetrating and freeing rusted parts with 3M™ 5-Way Penetrant is only one of many applications for this versatile chemical.



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

Product information

Product	Features	Application Ideas
5-Way Penetrant 	<ul style="list-style-type: none"> Lubricant Demoisturant Silicone-free 	<ul style="list-style-type: none"> Helps free rusted, frozen nuts and bolts Excellent light duty lubricant for many delicate or precision instruments Ideal tapping lubricant for stainless steel and aluminum Displaces moisture and "dries out" electrical apparatus, generators, motors Inhibits corrosion and printing of injection molding dyes and extension screws during storage
Silicone Lubricant 	<ul style="list-style-type: none"> Fast drying, long lasting Contains no petroleum oils Up to 350°F (177°C) resistance Non-staining 	<ul style="list-style-type: none"> Lubricate cutting tools, tables, and sewing machines and needles Helps preserve plastic, rubber, leather Rubber mold release Helps prevent build-up of glues, wax, inks, paints
Citrus Base Cleaner 	<ul style="list-style-type: none"> Multi purpose Non-corrosive Cleans oil, grease, tar, and grime Fresh citrus scent 	<ul style="list-style-type: none"> Removes grease, dirt and oil from equipment Removes tar from roofing equipment Softens liquid adhesive and adhesive tape residue Cleans adhesive overspray from equipment
Adhesive Remover 	<ul style="list-style-type: none"> Removes adhesive, labels, grease, and oil from many substrates Food grade No filmy residue Citrus base 	<ul style="list-style-type: none"> Dissolve overspray of many adhesives used in countertop lamination Remove marker graffiti from many surfaces Clean grime from floors in garages and industrial sites Prepare surfaces for adhesive bonding
Adhesive Remover Pen 	<ul style="list-style-type: none"> Same as aerosol Adhesive Remover 	<ul style="list-style-type: none"> Same as aerosol Adhesive Remover but more precise application with pen tip

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

Product information continued on back



3M Maintenance Aerosols

Product information

Product	Container Size	Spray Pattern	Color	VOC's %	FDA Listed Ingredients ^{1,2}
5-Way Penetrant	24 fl. oz.	Particle - Mist	Light Amber	45	No
Silicone Lubricant	24 fl. oz.	Particle - Mist	Clear	95	Yes ¹
Citrus Base Cleaner	24 fl. oz.	Particle - Mist	Pale Yellow	90	No
Adhesive Remover Citrus Base	24 fl. oz.	Particle - Mist	Pale Yellow	100	Yes ²

¹FDA 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.

²The ingredient(s) of the product when dried after application are listed as Generally Regarded As Safe (GRAS) under FDA regulation 21 CFR 182.20.

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:** 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. **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, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to repair or 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.



Industrial Business Industrial Adhesives and Tapes Division

3M Center Bldg. 21-1W-10
900 Bush Ave.
St. Paul, MN 55144
1-800-362-3550
www.3M.com/adhesives

Printed in U.S.A.
© 2005 3M
78-6900-1383-0 (855)ii