

3M Industrial Adhesives and Tapes

3M™ Adhesive & Tape Solutions for Your Assembly Challenges



Design & Production Guide
January, 2015



Solvent and Water Based Adhesives

Unite Performance, Productivity and Sustainability

3M™ Solvent and Water Based Adhesives start with the customer. Their process, their requirements and their wishes. Then the 3M team of industry experts, in conjunction with our comprehensive technology portfolio, offers customers versatility, efficiency and confidence to answer their “what if?”



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Performance

Find the **RIGHT** product for your assembly with the **RIGHT** questions:

- What substrates are being bonded?
- What are the issues with your current product?
- Are there any environmental Health and Safety requirements?
- Are there specific product attributes needed?
- Are there specific manufacturing requirements?
- What is the size of the substrate being sprayed?

Sustainability

Low Emissions. High Standards.



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Going “green” does not mean that you have to give up on performance. For 40 years our engineers have been developing water-based, low VOC and GREENGUARD™ Certified adhesives that have been used in the most demanding applications.

So, are you ready to go “green?”
We’re ready to take you there.



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Productivity

Our goal is to make your business as efficient and effective as possible. How the adhesive gets to your assembly is equally as important as the adhesive itself. We work with you to integrate the best delivery system for your process.



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Cylinders

- Self-contained and pressurized
- Portable
- Minimal equipment investment
- Low maintenance
- Optimized spray pattern cuts waste and maximizes coverage



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Aerosols

- Convenient for smaller jobs or multiple stations
- Easy to use and no equipment



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Bulk

- Cost effective
- Integrate into existing equipment

Multipurpose Adhesives — Solvent and Water Based



Insulation, Light Fabrics, Cardboard and Other Light Duty Bonding

Those working with HVAC, General Industrial, Signage, Exhibit/P.O.P. and packaging can effectively bond insulation, light fabrics, cardboard and paper with these versatile adhesives.

- Insulation attachment (polystyrene*, fiber glass, foam, etc.)
- General assembly
- Temporary holding (third hand)
- P.O.P. displays
- Carton sealing, palletizing and label attachment

*Not all products are compatible with polystyrene



3M multipurpose adhesives are commonly used for installation of shoddy material, venting insulation and other foams and fabrics. Our product line offers the most versatility for adhesive delivery. 3M™ Super 77™ Multipurpose Spray Adhesive, for example, can be sprayed from bulk containers, cylinders or aerosol cans.



When thinking insulation, don't stop at heating and ventilation. In this application, our adhesives can be used for installation of foam for acoustical soundproofing.

Solvent Based Adhesives			
Product	Requirement	Size Availability	
70	Fast tacking		Lead Product
77	Low soak in, mist spray		
74NF	Non-flammable		
Water Based Adhesives			
Product	Requirement	Size Availability	
100NF	One-sided bonding		Lead Product
49	Long open time, long tack time		
100NF	Immediate bonding		

Aerosol
 Cylinder
 Bulk



The variety of applications for these multi-purpose adhesives is nearly endless. From adhering pool table felt, to building architectural models, and even bonding protective materials like dense foams into electronics, musical instrument or sensitive equipment cases. 3M has a spray adhesive solution to fit customers' needs.

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Foam and Fabric Adhesives — Solvent and Water Based



Upholstery and Furniture

Users in the furniture manufacturing, upholstery, or transportation industry can rely on these adhesives to permanently bond open cell foam, close cell foam and fabrics in a variety applications.

- Upholstered furniture and seating
- Headliners
- Office partitions
- General foam bonding

Solvent Based Adhesives		
Product	Requirement	Size Availability
74	Soft bond lines	
92	High temperature resistance	
74NF	Non-flammable	
77	Low soak in, mist spray	



Water Based Adhesives		
Product	Requirement	Size Availability
100NF	High coverage	
100NF + Activator	Faster initial strength	
1000NF	One surface bonding, higher heat resistance	



Aerosol
 Cylinder
 Bulk



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Foam and fabric applications can be very challenging. From soft bond lines to tight radiuses, our lineup can meet the demand. The 3M portfolio of water and solvent based adhesives truly give the customer “flexibility.”



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Aerosol adhesives provide either web or mist spray patterns with higher solid content than our competitors. This combination allows 3M adhesives to sit on the surface versus soaking in. More adhesive on the surface results in less adhesive usage and a better bond for the customer.



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These solvent and water based adhesives are often used as a “third hand” to hold lightweight materials in place until they can be sewn or held in place by other assembly methods.

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Woodworking and Large Surface Lamination — Solvent and Water Based



Wood, Metal and Rubber Flooring

Woodworking, transportation, construction, and general industrial markets can effectively bond metals, wood, rubber, carpet and flooring (vinyl tiles) with this line of adhesives. Some applications include transportation flooring and carpet, store fixtures and furniture.

- High pressure laminate (HPL)
 - Countertops
 - Furniture
 - Display fixtures
- Edge banding
- Specialty vehicle flooring
- Wood furniture
- Trade show displays



Marine and specialty vehicle applications, like installing carpet, rubber or synthetic flooring, are perfect for 3M sprayable adhesives. Our quick tack, low VOC and cylinder delivery are common benefits in this market.

Solvent Based Adhesives		
Product	Requirement	Size Availability
94 CA	Fast tacking, postformable	
90	High strength	
94 ET	Longer open time, more aggressive tack	
98 NF	Non-flammable	
5	Very high temperature resistance	
1099	Plasticizer resistance harsh environments	



Water Based Adhesives		
Product	Requirement	Size Availability
30NF	High Strength	
2000NF	Faster initial strength	
1000NF	One surface bonding, fast assembly, plasticizer resistance	



Consider trade show exhibits and store fixtures that are often updated several times a year. 3M's adhesive line offers very low cost per square foot bonded for applications where our customers value total applied cost.



3M™ Hi-Strength 90 Spray Adhesive has a long reputation of holding strong in critical applications like this edge banding strip. Also, 3M has multiple adhesives that are postformable. Postforming is where the laminate is heated and bent as much as 360° around a radius.

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High Performance Specialty Adhesives — Solvent and Water Based



Rubber and Plastic

Industrial, Automotive, and Military professionals can rely on these adhesives to effectively bond rubber, plastics and specialty composites.

- Sealing and gasketing
- Chemical resistance
- Unique environments
 - Harsh environments
 - MIL specs
 - Chemical resistance



In washing machine repair, 3M™ Neoprene High Performance Rubber and Gasket Adhesive 1300 bonds with high immediate strength and seals the doughnut ring seal in the outer tub.

Rubber and Gasket Adhesives			
Product	Requirement	Size Availability	
1300	Neoprene or SBR bonding		Lead Product
1300L	Sprayable, low viscosity		
847	Vinyl bonding, plasticizer resistant		
4799	EPDM bonding		
80	Aerosol		

Plastic Adhesives			
Product	Requirement	Size Availability	
1099	Resists water, oil and plasticizer		Lead Product
1099L	Sprayable, low viscosity		
4693	Polyolefin bonding		
2262	Clear drying		
90	Aerosol		



With excellent resistance to fuel and oil, 3M™ Nitrile High Performance Rubber and Gasket Adhesive 847 bonds and seals chemical drum gaskets in place.



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3M™ Cleaners and Lubricants

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 usable product for your money.

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



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3M™ Silicone Spray Low VOC 60% lubricates cutting tools and tables. Fast, easy application helps prevent buildup of adhesive, wax, inks and paints. Won't stain or become gummy.



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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.



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

3M™ Aerosol Chemicals

Product	Key Characteristics	Available Format	Color	Application Method	Spray Pattern	VOC Content
Adhesive Remover	Citrus based. Fast acting. No residue left behind.	1 gallon, 5 gallon, 52 gallon	Pale Yellow	Brush/Roll/Spray	Mist	840g/L
		5 oz.	Pale Yellow	Spray	Mist	100%
		Aerosol	Pale Yellow	Spray	Mist	100%
		Mini Cylinder	Pale Yellow	Spray	Mist	800g/L
Adhesive Remover — Low VOC <20% Clear	Extended dwell time. No residual film. Meets CARB/OTC VOC Requirements. Helps contribute to LEED® credits.	Aerosol	Clear	Spray	Mist	15%
Citrus Base Cleaner	Citrus based. Non-corrosive. Cleans oil, grease, tar and grime.	Aerosol	Transparent	Spray	Mist	91%
Silicone Spray 60% VOC	Excellent lubricant. Fast drying. Long lasting and non-staining.	Aerosol	Clear	Spray	Mist	60%
5-Way Penetrant	Drives out moisture. Free rusted bolts. Inhibits rust — lubricates, demoisturizes, inhibits corrosion, cleans and penetrates.	Aerosol	Amber	Spray	Mist	30%

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3M™ Cylinder Spray Adhesives

Efficient, Portable and Easy to Use

3M Cylinder Spray Adhesives have benefits over more traditional spray methods. Minimal startup costs, reduced downtime, simple hose and applicator setup make cylinders an obvious choice.

Whether your priorities are improving speed of application, making spraying easier or reducing capital equipment maintenance and other costs, 3M Cylinder Spray Adhesives get you there.

Advantages and benefits:

- Very efficient speed of application and reduction of overspray
- Convenient, portable and easy to use delivery system
- Maintenance free and very low equipment costs

Other benefits include:

- More efficient spraying over large surface areas or multiple parts means virtually all adhesive is used and very little is wasted
- Easy to learn, use and train new employees to spray
- Portable for easy transition and setup for multiple stations or field work

Key features include:

- High coverage
- Various spray patterns
- Non-flammable adhesives
- GREENGUARD™ Certified
- Range of open time (worklife)



Spray patterns from 1–18+ inches are achievable using 3M™ Cylinder Spray Adhesives and various spray tips.

Where to Start

Product Selection

The lead products for 3M™ Cylinder Adhesives are:

- 3M™ Postforming 94 CA Cylinder Spray Adhesive
- 3M™ Hi-Strength 94 ET Cylinder Spray Adhesive
- 3M™ Holdfast 70 Cylinder Spray Adhesive

The majority of applications can be done with these three cylinder products.



3M™ Postforming 94 CA Cylinder Spray Adhesive is a low telegraphing that dries quickly to reach post-formable strength in 1–5 minutes. A 1–15 minute open time provides flexibility in assembly speed. 3M™ Hi-Strength 94 ET Cylinder Spray Adhesive offers all the benefits of 3M™ Postforming 94 CA Cylinder Spray Adhesive, but delivers a higher tack and increased bonding range.



For fast, easy foam board installation, above and below grade, simply spray and stick with 3M™ HoldFast 70 Cylinder Spray Adhesive. Bonds foam to concrete, waterproofing, OSB and more without damaging the foam.

Save Yourself the Hassle of Inefficient Spraying

Most common applications:

- High pressure laminate
- Foam/paper core steel door
- Upholstery
- Metal lamination
- Insulation bonding

Where to find these applications:

- Cabinet shops
- Elevator interiors
- Countertop shops
- Exhibit manufacturing
- Fixture/display manufacturing
- Office furniture
- Theatre/production sets
- Acoustic panel/partition



171 3M™ Cylinder Spray Adhesives do not atomize spray patterns with added airline. This means you get consistent even spray patterns, potentially saving rework and cleanup.



172 Consistent spray patterns and portable cylinders mean you can realize big improvements in efficiency and save time and labor costs.

3M™ Cylinder Spray Adhesive Quick Reference Guide

Product	Application	Solids (%)	Solids — Bulk (%)	VOCs (g/L)	Open Time (min)	Spray Pattern	Spray Applicator	Recommended Tips
General Purpose								
60 CA	General Purpose	43	42	>80	2–60	Web	Applicator	9501, 6501
Specialty								
70	Construction, Marine, RV, Polystyrene	21	41	544	1–60	Web	Applicator	QSS tip
74	Foam Bonding	22	36	563	1–15	Web	Applicator	9501, 6501
74NF	Foam Bonding	22	28	248	1–60	Web	Applicator	9501, 6501
77	Multi-Purpose	27	36	534	1–30	Mist	Applicator	250050, 650050
78 ET	Polystyrene	17	31	570	1–60	Web	Applicator	9501, 6501
High Performance, High Temperature Laminating								
90	Laminating	13	23	571	1–15	Web	Applicator	9501, 6501, 250050
92	Laminating	23	34	654	1–20	Web	Applicator	9501, 6501, 250050
94 CA	Laminating	28	28	79	1–15	Pebble	Applicator H	4001, 6501
94 ET	Laminating	28	34	<80	1–60	Pebble	Applicator H	9501, 6501, 4001
98NF	Laminating	20	25	254	1–60	Web	Applicator	9501, 6501, 4001

Key Questions

Asking the right questions related to the application will help you arrive at an adhesive selection quickly and painlessly.

Use A.S.P.E.C.

- What is the **APPLICATION** you are currently using the adhesive for?
- What **SUBSTRATES** does the adhesive need to bond too?
- Are there special **PROCESS** details the adhesive needs to accommodate? Such as high temperatures or VOC regulations?
- What kinds of **END USE** stress or environment will the bond be subject to? (e.g. boat carpet and saltwater conditions or exterior applications).
- How do you determine the **VALUE** beyond simply the **COST** of a product? (e.g. Improved coverage, reduced flammability or speed of application).

3M™ Cylinder Spray Adhesive Equipment and Accessories



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Spray Tip	Angle	Spray Pattern Width
9501	95°	Wide
6501	65°	Medium
4001	40°	Narrow
QSS*	—	Very Wide
250050	25°	Very Narrow

*For 3M™ HoldFast 70 Spray Adhesive

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Solvent and Water Based Adhesives



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Product	Available Format	Solids Weight Percent (Approx.)	Key Characteristics
Solvent Based Adhesives			
Neoprene Contact 5	1 gallon, 5 gallon, 55 gallon	19%	High performance contact adhesive. Sprayable. Fast drying.
Neoprene Contact 10	1 qt, 1 gallon, 5 gallon, 55 gallon	23%	Brushable and rollable with higher coverage. Meets requirements of MMM-A-121, MMM-A-130B and A-A-1936A.
Heavy Duty 20	Aerosol	17%	Fast grab. Variable width spray pattern. Forms strong bonds to a variety of substrates.
Foam & Fabric 24	Aerosol	17%	Aggressive tack. Foam-tearing strength. Variable width lace spray pattern.
Multi-Purpose 27	Aerosol	21%	Fast tack. Lightweight applications. Mist spray pattern.
General Purpose 60 CA	5 gallon, 55 gallon	43%	High solids for increased coverage. High tack general purpose adhesive.
	Large, Int and Jumbo Cylinder	42%	
HoldFast 70	5 gallon, 55 gallon	26%	Extremely versatile and very fast tacking. Unique wide web spray pattern with heavy body and low soak-in. Bonds polystyrene without degrading surface.
	Large, Int and Jumbo Cylinder	21%	
Pressure Sensitive 72	Aerosol	15%	Permanently tacky and repositionable. Long open time. Variable width lace spray pattern.
Foam Fast 74	Aerosol	22%	Extremely fast tack. Soft non-dimpling glue line. Immediate foam tearing strength.
	55 gallon	36%	
	Large, Int and Jumbo Cylinder	22%	
Foam Fast 74 CA	Aerosol	23%	Extremely fast tack. Soft non-dimpling glue line. Immediate foam tearing strength.
Repositionable 75	Aerosol	9%	Adheres in seconds. Extra long tack range. Repositionable.
Hi-Tack 76	Aerosol	13.5%	Fast tacking. One surface bonds. Variable width lace spray pattern.
Super 77™	Aerosol	25%	Low soak-in for long lasting bond. High coverage and aggressive tack. Bonds quickly in 15 seconds.
	5 gallon, 55 gallon	36%	
	Large Cylinder	27%	
Super 77™ CA Multi-Purpose	Aerosol	19%	Aggressive tack. Quick bonding. Long bonding range.
Polystyrene 78	5 gallon	19%	Bonds polystyrene with no surface degradation. Fast grabbing and fast drying. Uniform spray pattern for fast and easy application.
	Aerosol		
Polystyrene 78ET	Large, Int and Jumbo Cylinder	17%	Bonds polystyrene with no surface degradation. Extended tack time for long working time. Uniform spray pattern for fast and easy application.
Hi-Temp Polystyrene 78HT	5 gallon, 55 gallon	27%	Bonds polystyrene with no surface degradation. High temperature resistance. Can be used for roofing membrane attachment.
	Large, Int and Jumbo Cylinder	15%	
Rubber And Vinyl 80	Aerosol	13%	High strength. High temperature resistance. Fast setting.
Hi-Strength 90	5 gallon, 55 gallon	23%	High strength. High temperature resistance.
	Large, Int and Jumbo Cylinder	13%	
	Aerosol	13%	
Hi-Strength 90 CA	Aerosol	23%	High strength.
Hi-Strength 92	5 gallon, 55 gallon	34%	High strength. High temperature resistance. Versatile, high-tack adhesive.
	Large, Int and Jumbo Cylinder	23%	
Hi-Strength 94 ET	5 gallon, 55 gallon	25%	Bonds many laminates, woods, and particle board. Long open time, low VOC. SCAQMD Rule 1168 compliance; helps contribute to LEED® Credits.
	Large, Int and Jumbo Cylinder	25%	
	Aerosol	21%	Meets CARB / OTC VOC Requirements; helps contribute to LEED® Credits.
Hi-Strength Postforming 94 CA	5 gallon, 55 gallon	34%	High solids for increased coverage. Unique non-telegraphing spray pattern with postformable strength. Low VOC, SCAQMD 1168 and LEED® Compliant.
	Large, Int and Jumbo Cylinder	28%	
826 Plastic Adhesive	1 qt., 5 gallon	23%	Fast drying for many plastic films. Resists fuels, water and oil. Thin liquid.
847 High Performance Rubber & Gasket Adhesive	5 oz, 1 qt, 1 gallon, 5 gallon, 55 gallon	36%	Quick drying and flexible with fuel and oil resistance. Able to reactivate with heat and solvent. Curable with heat.

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	Adhesive Strength	Color	Application Method	Bonding Range (Two Surfaces)	Flammability	Heat Resistance (SAFT)	Spray Pattern	VOC Content
	High	Light Yellow	Spray	10–60 min.	Flammable	300°F	Web	687g/L
	High	Light Yellow	Brush/Roll	10–60 min.	Flammable	300°F	Web	589g/L
	High	Clear	Spray	1–30 min.	Flammable	210°F	Web	52%
	Medium	Orange	Spray	30 sec.–30 min.	Flammable	170°F	Web	53%
	Low	Clear	Spray	15 sec.–10 min.	Flammable	140°F	Mist	59%
	Medium	Clear	Brush/Roll/Spray	1–60 min.	Flammable	170°F	Pebble	79g/L 73g/L
	Medium	Clear	Brush/Roll/Spray	1–60 min.	Flammable	190°F	Web	562g/L
	Medium	Blue	Spray	1 min.–8 hr.	Flammable	170°F	Web	55%
	Medium	Clear/Orange	Spray	30 sec.–15 min.	Flammable	170°F	Web	<55%
			Brush/Roll/Spray					352g/L 563g/L
	Medium	Clear/Orange	Spray	30 sec.–15 min.	Flammable	200°F	Web	<25%
	Low	Clear	Spray	5 sec.–60 min.	Flammable	110°F	Mist	58%
	High	Clear	Spray	1–60 min.	Flammable	230°F	Web	55%
	Low	Clear	Spray	15 sec.–15 min.	Flammable	150°F	Mist	54%
			Brush/Roll/Spray					504g/L
			Spray					535g/L
	Low	Clear	Spray	15 sec.–30 min.	Flammable	205°F	Mist	<25%
	Medium	Clear	Spray	1–15 min.	Flammable	190°F	Web	566g/L 62%
	Medium	Clear/Green	Spray	1–60 min.	Flammable	200°F	Web	622g/L
	Medium	Blue	Spray	1–60 min.	Flammable	230+°F	Web	611g/L
	High	Yellow	Spray	3–30 min.	Flammable	300+°F	Web	54%
	High	Clear	Brush/Roll/Spray	1–10 min.	Flammable	250°F	Web	356g/L
			Spray					586g/L
			Spray					54%
	High	Clear	Spray	1–30 min.	Flammable	200°F	Web	<25%
	High	Clear/Red	Spray	1–20 min.	Flammable	250+°F	Web	577g/L
	High	Clear/Red	Spray	1–60 min.	Flammable	210°F	Pebble	<80g/L
		Clear/Red	Brush/Roll/Spray					<80g/L
		Clear	Spray					<20
	High	Clear/Red	Brush/Roll/Spray	1–15 min.	Flammable	210°F	Pebble	79g/L
			Spray					79g/L
	Medium	Amber	Brush/Spray	Up to 45 min.	Flammable	—	Web	731g/L
	Medium	Brown	Brush/Flow	Up to 15 min.	Flammable	—	Brush	0g/L

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Solvent and Water Based Adhesives



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Product	Available Format	Solids Weight Percent (Approx.)	Key Characteristics
Solvent Based Adhesives			
847H High Performance Rubber & Gasket Adhesive	5 gallon	51%	High viscosity. Able to reactivate with heat and solvent. Curable with heat.
1099 High Performance Plastic Adhesive	5 oz, 1 qt, 1 gallon, 5 gallon, 55 gallon	34%	Fast drying and heat curable. Resists weathering, water, oil, plasticizer migration and aliphatic fuels.
1099L High Performance Plastic Adhesive	5 gallon, 55 gallon	24%	Sprayable version of 1099H. Fast drying and heat curable. Resists weathering, water, oil, plasticizer migration and aliphatic fuels.
1300 High Performance Rubber & Gasket Adhesive	5 oz, 1 pt, 1 qt, 1 gallon, 5 gallon,	37%	High immediate strength. Fast-drying and heat resistant for rubber and metal. Meets MIL-M-81288 and MMM-A-121.
1300L High Performance Rubber & Gasket Adhesive	1 qt, 1 gallon, 5 gallon, 55 gallon	30%	Lower viscosity for spraying. Fast-drying and heat resistant for rubber and metal. Meets MMM-A-121.
1357 High Performance Contact Adhesive	5 oz, 1 pt, 1 qt, 1 gallon, 5 gallon, 55 gallon	25%	Rapid build up to a very high strength bond for metal. Resists heat and continuous load stress. Meets MMM-A-121 requirements.
1357L High Performance Contact Adhesive	5 gallon, 55 gallon	18%	Low viscosity. Resists heat and continuous load stress. Meets MMM-A-121 requirements.
2262 Plastic Adhesive	1 qt, 5 gallon	27%	Clear and non-staining. Resists plasticizer migration for bonding many flexible vinyls. Fast tack.
4475 Industrial Plastic Adhesive	5 oz, 1 qt, 5 gallon	43%	Clear plastic adhesive. Fast drying. Strong environmental resistance.
4491 Industrial Adhesive	5 gallon, 55 gallon	24%	Securely bonds vinyl with resistance to plasticizer migration. Versatile plastic adhesive. Excellent environmental resistance.
4550 Industrial Adhesive	5 gallon, 55 gallon	33%	Adding tack to large surfaces. Translucent. Long bonding range.
4693 High Performance Industrial Plastic Adhesive	5 oz, 1 qt, 1 gallon, 5 gallon, 55 gallon, (High viscosity only 5 oz.)	26%	Excellent plastic adhesive. Long tack range. Water and heat resistant.
4799 Industrial Adhesive	5 oz, 1 qt, 1 gallon, 5 gallon	32%	Water and heat resistant. Dries rapidly. EPDM bonder.
Non-flammable Solvent Adhesives			
Foam Fast 74NF	Large, Int and Jumbo Cylinder	24%	Non-flammable. Fast tack with foam tearing strength. Soft non-dimpling bond line.
Hi-Strength 98NF	5 gallon, 54 gallon	24%	Non-flammable, fast tack adhesive. High temperature resistance. Versatile, high-tack adhesive.
	Large, Int and Jumbo Cylinder	21%	
Water Based Adhesives			
Fastbond™ Contact Adhesive 30NF	1 qt, 1 gallon, 5 gallon, 52 gallon, 270 gallon	49%	Non-flammable water-based contact adhesive. Extremely high strength, high temperature resistant. Meets MIL-A-24179A, Type I, GREENGUARD® Certified, SCAQMD 1168, LEED® Compliant.
Fastbond™ Contact Adhesive 30H	52 gallon, 270 gallon	48%	Long bonding range with high immediate bond strength. Economical high coverage. Low mist version of 30NF.
Fastbond™ Insulation Adhesive 49	5 gallon box, 5 gallon, 52 gallon, 255 gallon, 100 gallon	55%	Fast tacking, high performance, pressure sensitive adhesive for lightweight materials. Low VOC and GREENGUARD® Certified. UL MAGW2 component recognition.
Fastbond™ Foam Adhesive 100NF	1 gallon, 5 gallon, 52 gallon, 100 gallon, 255 gallon	47%	One-part, fast setting — foam and fabric adhesive. GREENGUARD® Certified. Can be activated for immediate bonding.
Fast Tack 1000NF	1 gallon, 5 gallon, 52 gallon, 255 tote	49%	One-part immediate handling strength. Low overspray and high coverage. Bonds a wide variety of substrates with high temperature resistance.
Fastbond™ 2000NF	5 gallon, 50 gallon, 270 gallon	49%	Water dispersed, activated adhesive. Immediate bonding and handling strength without forced drying. GREENGUARD® Certified.
Pressure Sensitive Adhesive 4224NF	5 gallon, 52 gallon	41%	Water-based, plasticizer resistant adhesive. Permanent pressure sensitive adhesive with an aggressive tack. Low VOC and GREENGUARD® Certified.
Fastbond™ Spray Activator 1	1 qt, 1 liter spray bottle, 5 gallon, 30 gallon	n/a	GREENGUARD® Certified. Low VOC and LEED® Compliant. UL MAGW2 component recognition.

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	Adhesive Strength	Color	Application Method	Bonding Range (Two Surfaces)	Flammability	Heat Resistance (SAFT)	Spray Pattern	VOC Content
	Medium	Brown	Brush/Flow	Up to 10 min.	Flammable	—	Brush	5g/L
	High	Light Tan	Brush/Flow	Up to 40 min.	Flammable	—	Brush/Flow	5g/L
	High	Light Tan	Brush/Spray	Up to 20 min.	Flammable	—	Brush/Flow	443g/L
	High	Yellow	Brush/Flow	Up to 12 min.	Flammable	300°F	Brush/Flow	667g/L
	High	Yellow	Brush/Spray	Up to 8 min.	Flammable	300°F	Brush/Spray	≤706g/L
	High	Gray-Green/ Light Yellow	Brush/Spray	10–30 min.	Flammable	300°F	Web	≤582g/L
	High	Gray-Green	Spray	10–30 min.	Flammable	300°F	Web	515g/L
	High	Clear	Brush/Flow	2–20 min.	Flammable	—	Brush/Flow	177g/L
	Medium	Clear	Brush/Flow	1–10 min.	Flammable	—	Brush/Flow	600g/L
	High	Light Tan	Brush/Roll/Spray	Up to 20 min.	Flammable	—	Web	190g/L
	Low	Clear	Brush/Roll/Spray	10–30 min.	Flammable	—	Web	516g/L
	Medium	Clear	Brush/Spray	10–60 min.	Flammable	—	Web	597g/L
	Medium	Black	Brush/Trowel	1–10 min.	Flammable	—	Brush/Trowel	628g/L
	Medium	Red/Clear	Spray	10–60 min.	Non-flammable	210°F	Web	48g/L
	High	Red/Clear	Spray	10–60 min.	Non-flammable	240°F	Web	935g/L 907g/L
	High	Neutral/Green	Brush/Roll/Spray	30 min.–4 hr.	Non-flammable	300°F	Mist	37g/L
	High	Green	Brush/Roll/Spray	30 min.–4 hr.	Non-flammable	300°F	Mist	37g/L
	Low	Clear	Brush/Roll/Spray	5 min.–8 hr.	Non-flammable	—	Mist	2g/L
	Medium	Neutral/Lavender	Spray	1–20 min.	Non-flammable	—	Mist	0g/L
	High	Neutral/Purple	Spray	1–10 min.	Non-flammable	300°F	Mist	0g/L
	High	Blue/Light Orange/ Neutral	Co-Spray	2 min.–2 hr.	Non-flammable	300°F	Mist	37g/L
	Medium	Blue/Clear	Brush/Roll/ Spray/Trowel	15 min.–8 hr.	Non-flammable	—	Mist	14g/L
	n/a	Clear	Spray	n/a	Non-flammable	—	Mist	0g/L

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