



## 3M™ Hi-Strength 90 Spray Adhesive

**Part Number: 3M-90-24OZ-IND**

3M™ Hi-Strength 90 Spray Adhesive, 24 fl oz Aerosol Can

This spray adhesive is an industrial high strength contact adhesive in a 24 fl oz aerosol can.

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### Product Description

3M™ Hi-Strength 90 Spray Adhesive is an industrial high strength contact adhesive. It creates a high strength fast tack bond to concrete, wood, MDF, laminates, or polyethylene with excellent moisture resistance.

### Product Advantages

- High strength
- High temperature resistance
- Variable width lace spray pattern



## Technical Documents

### 3M Hi-Strength 90 Spray Adhesive

#### Technical Data

March 2012

#### Product Description

An industrial grade spray adhesive that is typically used for bonding HPL to wood.

#### Key Features

- A high strength, fast, contact-type adhesive
- Excellent adhesive for decorative laminates, particleboard, and many other materials, even polyethylene, polypropylene, and SBR rubber
- Has excellent heat resistance

#### Typical Properties

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

Product	3M™ Hi-Strength 90 Spray Adhesive	3M™ Scotch-Weld™ Hi-Strength 90 Cylinder Spray Adhesive	3M™ Hi-Strength 90 Spray Adhesive (Bulk)
Base:	Synthetic Elastomer	Synthetic Elastomer	Synthetic Elastomer
Solids Content - (by wt.):	13%	13%	23%
Density (lbs/gal):	6.0	5.7	6.4
Viscosity (cps):	N/A	N/A	100-500
Color(s):	Translucent	Translucent	Translucent
Volatile Organic Compounds (VOC):	< 55%	571 g/L	356 g/L
Hazardous Air Pollutants (HAPS) % wt (calculated):	<0.4%	No	No
CARB Compliant:	Yes	N/A	N/A
SCAQMD 1168 Compliant:	N/A	No	No
GREENGUARD Indoor Air Quality Certified®:	No	No	No
LEED® Eligible:	Yes	No	No
Coverage @ 2.5 gms /in <sup>2</sup> per lb (sqft):	23.6	23.6	42
Spray Pattern:	Variable Lance	Lance	Lance
Dry Time:	1 minute	1 minute	1 minute
Bonding Range:	1-10 minutes	1-10 minutes	1-10 minutes
Shear Adhesion Failure Test - SAFT <sup>(1)</sup> :	250F	250F	250F
Flammable Solvent:	Yes	Yes	Yes
Flammable Propellant:	Yes	Yes	N/A

<sup>(1)</sup>SAFT Shear Adhesion Failure Test with birch plywood, 1 inch overlap, 100 grains med, temperature start at 90F and ramped 10F every 10 min, until complete failure.

#### Available Sizes

Container Size	3M Stock Number	UPC Number
24 Fl. Oz. (Net Wt. 17.6 oz) - Aerosol	62-4942-4950-1	00-021200-30023-3
24 Fl. Oz. (Net Wt. 16.9 oz) - Inverted Aerosol	62-4942-4970-9	00-051111-07278-3
Large Cylinder - 28.8 lbs.	62-4994-8030-9	00-021200-41554-8
Intermediate Cylinder - 141.6 lbs.	62-4994-8150-5	00-051115-25774-2
Jumbo Cylinder - 283.2 lbs.	62-4994-8300-6	00-051115-25775-9
5 gallon pail - 32.5 lbs.	62-4479-8532-6	00-021200-43797-7
54 gallon drum - 338 lbs.	62-4479-9532-5	00-021200-43814-1

View this product online at <https://marathonhardware.com/pd/3M-90-24OZ-IND>



## Technical Documents

### 3M Hi-Strength 90 Spray Adhesive

#### Technical Data

January, 2002

#### Product Description

A high strength, fast drying, contact-type adhesive used for permanently bonding decorative laminates, particleboard, wood, metal, many plastics including polyethylene and propylene, foam, concrete and many other materials.

#### Features

Convenient, fast, high contact-bond strength, low soak-in keeps more adhesive on the surface to provide better coverage, high heat resistance maintains bond strength even after extended exposure to heat, precise spray control and variable spray width makes it easy to apply.

#### Typical Physical Properties

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

Solids Content (by wt.):	13%
Base:	Synthetic Elastomer
Color (wet and dry):	Translucent
Net Weight* (approx.):	17.6 oz. (500 gms.)
Spray Pattern:	Controlled Lance
Spray Width:	Variable, 1-3 inch
Bonding Range (1 Surface): (2 Surface): (Extra Strong Bonds)	Not Recommended for 1 Surface Applications 1-15 minutes Double coat both surfaces in a crisscross pattern, allow 2-5 minutes drying time
Solvents:	Methyl Acetate, Cyclohexane, Pentane
Flash Point:	-50°F (-46°C)
Coverage* @ .5 gms/sq. ft.:	130 sq. ft.
% Volatile Organic Components (VOC):	55%
Hazardous Air Pollutants (HAPS):	< 0.4%
FDA Acceptable Ingredients: (21CFR175.105)	Yes

\*Based on a 24 oz. aerosol can.

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## Technical Documents

MATERIAL SAFETY DATA SHEET 3M™ Hi-Strength Spray Adhesive 90 (aerosol) 04/04/12



### Material Safety Data Sheet

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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M™ Hi-Strength Spray Adhesive 90 (aerosol)  
**MANUFACTURER:** 3M  
**DIVISION:** Industrial Adhesives and Tapes Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000

**EMERGENCY PHONE:** 1-800-364-3577 or (651) 737-6501 (24 hours)

**Issue Date:** 04/04/12  
**Supersedes Date:** 03/30/12

**Document Group:** 16-4935-9

**Product Use:**  
**Intended Use:** aerosol adhesive  
**Specific Use:** hi-strength aerosol adhesive

#### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
Dimethyl ether	115-10-6	35 - 45
Methyl acetate	79-20-9	25 - 35
N.J.T.S. Reg No. 0449960-6448P	Trade Secret	10 - 20
Cyclohexane	110-82-7	7 - 13
Propellant R-152a	75-37-6	1 - 5
Pentane	109-66-0	1 - 5

#### SECTION 3: HAZARDS IDENTIFICATION

##### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Aerosol

**Odor, Color, Grade:** clear, sweet fruity odor

**General Physical Form:** Gas

**Immediate health, physical, and environmental hazards:** Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure. May cause target organ effects.

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