

July, 2014

# 3M™ Scotch-Seal™ Metal Sealant 2084

## Product Features

- 3M™ Scotch-Seal™ Metal Sealant 2084 is a one-part aluminum colored sealant which air dries to a tough, flexible film that resists water, oils and fuel.
- Retains sealing properties after extended aging when painted.
- Can be used to bond and seal aluminum to glass; also adheres well to many other metals and woods. Painting after curing is recommended, especially if sealed area will be subjected to UV exposure.



# 3M™ Scotch-Seal™ Metal Sealant 2084

## Technical Information Note

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

### Typical Uncured Physical Properties

Property	Values
Color	Aluminum
Net Weight	7.7 to 8.1 lb/gal

### Typical Mixed Physical Properties

Property	Values
Tack Free Time	5 min
Gap Fill	1/16 in

### Typical Physical Properties

Property	Values		Notes	Test Condition
Flash Point	0 °F	-18 °C	Closed Cup	
Solids Content by Weight	40 to 47 %			
Solvent	Acetone			
Coverage	1500 lineal ft/gal		1/8 inch diameter wet bead	
Viscosity	7,000-22,500 cP		Brookfield Viscometer, RVF #6 sp.	80°F(26.7°C)

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# 3M™ Scotch-Seal™ Metal Sealant 2084

## Typical Physical Properties (continued)

Property	Values		Notes	Test Condition
Viscosity	500 to 2500		Brookfield Viscometer, RVF #6 sp. @ 4rpm	Room Temperature
Dry Time	1 day			

## Typical Performance Characteristics

Property	Values		Substrate	Notes
180° Peel Adhesion	43.8 N/cm	400 oz/in	Canvas to Aluminum	pulled at 2in/minute

## Handling/Application Information

### Application Equipment

Note: Appropriate application equipment can enhance adhesive performance. We suggest the following application equipment for the user's evaluation in light of the user's particular purpose and method of application.

Pump – 9 to 1 ratio double acting ball check type pump, 11.0 cu. inch per cycle with 4 1/4" air motor with single wiper follower plate. Packings, hoses and pail wiper must be compatible with acetone.

Hose – Nylon lined, 500 psi working pressure.

Reference Information

Material Temperature – 58°F (14°C)

Hose Assembly	Material Pressure psi	Output Lb./Min.	Material Pressure psi	Output Lb./Min.
Ten Foot Length 3/4 I.D. Hose	324	5.7	180	2.4
Twenty Foot Length 3/4 I.D. Hose	405	4.6	180	1.1
Twenty Foot Length 1/2 I.D. Hose	675	6.2	180	.48
Ten Foot Length 1/2 I.D. Hose	810	1.0	—	—

Note: Material pressure = operating air pressure x pump ratio.

Flow Gun – Tip seal type.

Manual Caulking Gun Filling – Kenmar® caulking gun loader with acetone resistant wiper; Graco® Model 225-975 gun loader with acetone resistant wiper; Pyles® Vaculoder.

Chemical Resistance Requirements – Synthetic materials in contact with 3M™ Scotch-Seal™ Metal Sealant 2084 must be resistant to acetone. Polysulfide, butyl, nylon and PTFE are compatible.

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## Handling/Application Information (continued)

### Directions for Use

Surface Preparation: Best results are obtained on clean, dry surface. Oil, grease and other contaminants may be removed by wiping with a solvent such as isopropyl alcohol, MEK, acetone, or other locally compliant solvent.\*

Application: Production dispensing is best achieved with pressure-flow equipment. Hand caulking guns may also be used.

Cleanup: Equipment and excess sealer may be cleaned with solvent such as isopropyl alcohol, MEK, acetone, or other locally compliant solvent.\*

\*Note: When using solvents for clean-up, extinguish all ignition sources and follow manufacturer's precautions and directions for use when handling such materials.

### Storage and Shelf Life

For optimum storage 3M™ Scotch-Seal™ Metal Sealant 2084 should be stored at 60-80°F (15-26°C). Higher temperatures reduce normal storage life. Lower temperatures cause increased viscosity of a temporary nature. Rotate stock on a "first in-first out" basis.

When stored at recommended temperature in original, unopened container, this product has a shelf life of 15 months from date of manufacture.

### Trademarks

Kenmar is a registered trademark of Kenmar, Inc. Graco is a registered trademark of Graco, Inc.

Pyles is a registered trademark of Pyles, Inc.

3M and Scotch-Seal are trademarks of 3M.

### References

1. 3m.com Product Page

Url: [https://www.3m.com/3M/en\\_US/company-us/all-3m-products/~/3M-Scotch-Seal-Metal-Sealant-2084?N=5002385+3293242302&rt=rud](https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Scotch-Seal-Metal-Sealant-2084?N=5002385+3293242302&rt=rud)

2. Safety Data Sheet

Url: [https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=2084](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=2084)

### Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

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## Technical Information

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