



Technical Data Sheet

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.


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 Physical Properties

Property	Values	Additional Information
Solids Content by Weight	40 to 47 %	
Color	Aluminum	
Flash Point	0 °F	View
Notes: Closed Cup		
Flash Point	-18 °C	View
Notes: Closed Cup		
Solvent Resistance	Acetone	
Coverage	1500 lineal ft/gal	View
Notes: 1/8 inch diameter wet bead		
Viscosity	7,000-22,500 cP	View
Notes: Brookfield Viscometer, RVF #6 sp.		
Viscosity	500 to 2500	View

Notes: Brookfield Viscometer, RVF #6 sp. @ 4rpm

Dry Time (min)	1440 min	View 
Notes: Dry time will depend on ambient temperature, humidity and coverage applied.		



Typical Uncured Physical Properties

Property	Values	Additional Information
Net Weight	7.7 to 8.1 lb/gal	

Typical Mixed Physical Properties

Property	Values	Additional Information
Tack Free Time	5 min	
Gap Fill	1 to 16 in	

Typical Performance Characteristics

Property	Values	Additional Information
180° Peel Adhesion	43.8 N/cm	View 
Substrate: Canvas to Aluminum		
Notes: 2in/min		
180° Peel Adhesion	400 oz/in	View 
Substrate: Canvas to Aluminum		
Notes: 2in/min		

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.

Bottom Matter

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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)

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® Vaculoader.

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.

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.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40066995/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?

Family Group

Link Tags:

• 2084

Products	Solids Content by Weight	Color
2084	40 to 47 %	Aluminum

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.

Information

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