



3M™ Scotch-Seal™ Metal Sealant 2084

Last Revision Date: July, 2014






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 (-18 °C)	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 
Test Condition: 80°F(26.7°C)		
Notes: Brookfield Viscometer, RVF #6 sp.		
Viscosity	500 to 2500	View 

Test Condition: Room Temperature

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

Dry Time	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 (400 oz/in)	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.

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.

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)

[Image 159]

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/company-us/all-3m-products/~//3M-Scotch-Seal-Metal-Sealant-2084/?N=5002385+3293242302&rt=rud
Safety Data Sheet SDS	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.

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.