

Technical data sheet



Product: 2141

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBSTOFF

Article group: 1-K KLEBSTOFF

Download: 15.01.2025

SCOTCH-WELD 2141

This data sheet was provided to you by Tewipack Uhl GmbH. The company tewipack Uhl GmbH assumes no responsibility for the topicality and the Accuracy of the information contained. The properties of the products can vary due to various influences such as composition and condition of the Substrate, impurities in or on the substrate, temperature and humidity at the Change storage and environmental conditions during use. Using this product in combination with other material, the customer is responsible for to check through our own tests whether the product is suitable for the planned combination and whether this combination delivers the expected results

Tewipack Uhl GmbH
Industriestraße 15
D-75382 Althengstett

Telephone:
+49(0)7051/9297-0
Fax:
+49(0)7051/9297-99

E-Mail:
info@tewipack.de
Website:
www.tewipack.de

Managing director:
Alexander Uhl,
Michael Uhl
HRB 330424
Amtsgericht
Stuttgart

Bank details:
Sparkasse
Sindelfingen
Pforzheim
Calw
BLZ 666 500
85
Konto 17 787

Commerzbank
Sindelfingen
BLZ 603 400 71
Konto 8 001 166

Vereinigte
Volksbank AG
Böblingen
BLZ 603 900 00
Konto 80 089
003

Postbank
Stuttgart
BLZ 600 100
70
Konto 146
294 708



Technical Data Sheet

3M™ Neoprene Rubber & Gasket Adhesive
2141



Product Details



Regulatory Info/SDS

Product Features

- A light colored, high strength adhesive with a long tack range.
- Excellent water, oil and grease resistance.
- Bonds neoprene, natural, reclaim SB-R and butyl rubber to most substrates.

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

Attribute Name	Value
Net Weight	7 to 7.4 lb/gal
Base	Polychloroprene

Typical Physical Properties

Attribute Name	Temperature	Value
Color		Yellow
Solids Content by Weight		28 to 32 %
Carrier Solvent		Petroleum Distillate, Toluene, Acetone and n-Hexane
Flash Point		-26 °C (-14 °F) ¹
Viscosity	27 °C (80 °F)	900 to 1,500 cP ²

¹ TCC

² Brookfield Viscometer RVF #2 spindle @ 20 rpm

Typical Performance Characteristics

180° Peel Adhesion

Substrate: Canvas to Steel

Dwell Time	Temperature	Value
24 h	22 °C (72 °F)	96 oz/in
72 h	22 °C (72 °F)	160 oz/in
120 h	22 °C (72 °F)	384 oz/in
168 h	22 °C (72 °F)	512 oz/in
2 week	22 °C (72 °F)	32 oz/in
3 week	22 °C (72 °F)	30 oz/in
3 week	-34 °C (-29 °F)	224 oz/in
3 week	66 °C (150 °F)	384 oz/in
3 week	82 °C (180 °F)	352 oz/in

Overlap Shear Strength

Substrate: Birch to Birch
Temperature: 22 °C (72 °F)
Dwell Time: 3 week

Test Condition	Value
	377 lb/in ² ¹
180°F(82°C)	68 lb/in ² ¹

¹ 1/8in thick substrates

Handling/Application Information

Directions for Use

1. Surface Preparation: Surfaces must be clean, dry and dust free. Wiping with a solvent such as methyl ethyl ketone (MEK) will aid in removing oil and dirt.*
 2. Application Temperature: For best results, the temperature of the adhesive and the surfaces being bonded should be at least 65°F (18°C).
 3. Application: Stir or agitate well before using.
Porous Surface(s): Apply a uniform generous brush coat of adhesive to one or both surfaces. Highest strengths are obtained when both surfaces are coated. Highly absorbent materials may require two coats.
Non-Porous Surface(s): Brush an even coat of adhesive on both surfaces. Press surfaces together firmly to ensure contact.
 4. Drying Time: When applying adhesive to only one surface, the bond must be made immediately, while the adhesive is wet. When applying adhesive to both surfaces, allow the adhesive to dry until tacky, but does not transfer to knuckle when touched (typically 5-10 minutes, depending on temperature, humidity, etc.).
 5. Bonding: After drying, you have up to 15 minutes to make the bond. Press surfaces together firmly to ensure contact.
 6. Cleanup: Excess adhesive may be removed with a solvent such as 3M™ Scotch-Weld™ Solvent No. 2, methyl ethyl ketone (MEK), or 3M™ Citrus Base Cleaner.*
- *Note: When using solvents, extinguish all ignition sources and follow the manufacturer's precautions and directions for use.

Application Equipment

Appropriate application equipment enhances 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.

1. Pumping:
 - A. 5 gallon or less dispensing system: Use a pressure pot rated for 100 psi operating pressure.
 - B. 55 gallon dispensing system: Use a 2:1 ratio divorced design double acting ball check type pump, bung mounted. Packings and glands in contact with the adhesive should be PTFE.
2. Hoses: All material hoses should be nylon lined.
3. Brushes: Brushes designed to be used with oil based paints may be used.

Storage and Shelf Life

Store product at 60-80°F (15-26°C) for maximum storage life. 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 the recommended conditions in original, unopened containers, this product has a shelf life of 30 months from date of manufacture.

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.

Automotive Disclaimer

Select Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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.

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M
Industrial Adhesives and Tapes Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550

3M is a trademark of 3M Company.
©3M 2022 (5/22)