TECHNICAL DATA SHEET

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ROOF & FLASHING SEALANT

RF140

EXCELLENT FOR ALL GENERAL ROOF REPAIRS

DESCRIPTION

OSI® RF140 Roof & Flashing Sealant is manufactured using a special synthetic rubber and select cuts of asphalts. By combining these two materials, the natural tendency of hardening and softening generally associated with asphalt is modified considerably with the rubber. This allows OSI RF140 to cure into a tough, rubbery stage which will expand and contract more readily during temperature variations. In addition, the adhesion characteristics of the asphalt are augmented with a stable tackifying resin which will provides a lasting and flexible bond to most surfaces. Unlike other roofing cements, OSI RF140 can be applied at temperatures between 20°F (-6.67°C) and 90°F (32°C) without difficulty in extrusion. It also resists cracking which is common to most types of plastic roof cements.

Available as:

Item #	Package	Size
1938618	Fiber Cartridge	10 fl. oz. (295 ml)

FEATURES & BENEFITS

- Excellent for general roof repairs
- Resists cracking
- UV & water resistant
- Cold weather and wet surface application
- Remains flexible

RECOMMENDED FOR

OSI RF140 is primarily used for bonding roof shingles, flashing, and other general roof repairs. It may also be used for making minor repairs inside gutters and downspouts and is also excellent for fixing minor cracks in asphalt surfaces.

LIMITATIONS

Not recommended for the following applications:

- Use inside occupied structures or in enclosed spaces
- As an expansion joint control sealant
- Bonding polystyrene foams, polypropylene or polyethylene plastics
- Continuous water immersion
- Hand sealing or shingle tabbing during hot weather months
- Excessive use of a sealant beneath shingles (shingle tabbing) may cause shingle blisters to occur
- Excessive heat from poorly ventilated and/or over-heated roof systems can cause blistering on roof shingles over time

COVERAGE

For a 10 fl. oz. (295 ml) cartridge:

- A 1/4” (6 mm) bead extrudes approximately 30.6 ft. (9.3m)
- A 3/8” (9.5 mm) bead extrudes approximately 13.6 ft. (4.14 m)

TECHNICAL DATA

Typical Uncured Physical Properties			Typical Application Properties	
Color:	Black		Application Temperature:	Apply between 20°F (-7°C) and 90°F (32°C) for optimal results. For easier extrusion of sealant at lower temperatures, store cartridge at room temperature at least 24 hours prior to use
Appearance:	Paste			
Base:	Synthetic Rubber & Resins			
% Solids by weight:	80%			
Specific Gravity:	1.302		Odor:	Solvent
Flash Point:	64.99°F (18.33°C) no method		Open Time / Tooling Time:	20-30 minutes* at 70°F (21°C) and 50% RH
VOC Content:	20% by weight	CARB	Cure Time**:	24 – 48 hours*
	235 g/L	SCAQMD rule 1168	Clean Up:	Clean up uncured sealant residue with mineral spirits. Cured sealant may be carefully cut away with a sharp-edged tool
Shelf Life:	24 months from date of manufacture (unopened)			

Lot Code Explanation: **YYDDD** Printed on tube plunger

YY = Last two digits of the year
DDD = Day of manufacture based on 365 days in a year
For example: 24061 = 61st day of 2024 = March 1, 2024

***** *Time is dependent upon temperature, humidity, porosity of substrate and amount of sealant used*
****** *Cure time is significantly increased in cold temperatures and/or low humidity conditions*

Typical Cured Performance Properties			
Color:	Black	Shore A Hardness:	25
Cured Form:	Non-flammable solid	Water Resistant:	Yes, once fully cured.
Service Temperature:	-20°F (-29°C) to 170°F (77°C)	Paintable:	Not recommended

Specifications: Meets or conforms to requirements of:

- ASTM D 4586 Standard Specification for Asphalt-Roof Cement, Asbestos-Free
- ASTM D 3409 Standard Test Method for Adhesion of Asphalt-Roof Cement to Damp, Wet or Underwater Surfaces

DIRECTIONS

Tools Typically Required:
Utility knife, caulking gun or trowel and tool to puncture cartridge seal.

Safety Precautions:
Not recommended for use inside occupied structures. Wear gloves. Wash hands after use.

Preparation:
Apply sealant between 20°F (-7°C) and 90°F (32°C). For easier extrusion of sealant at lower temperatures the material should be kept at room temperature at least 24 hours prior to use. All surfaces must be clean, dry and free of old caulk, grease, dust and other contaminants. Cut the tip off the cartridge at a 45° angle to desired bead size (3/8" is recommended) and puncture inner seal.

Application:
Using a caulking gun, apply sealant with steady pressure, forcing the sealant into the joint. If the depth of the joint exceeds 3/8" (9.5 mm) the use of a backer rod is recommended. Tooling of the sealant is not necessary or recommended.

NOTE: This is a solvent based product. Hand sealing or shingle tabbing is not recommended during hot weather months or if roof temperatures are too hot. If needed or required, this method should only be considered during early spring or late fall months when roof temperatures are cooler.

Clean-up:
Clean tools and uncured sealant residue immediately with mineral spirits or paint thinner. Cured sealant must be carefully cut away with a sharp-edged tool.

STORAGE & DISPOSAL

NOT DAMAGED BY FREEZING. Store in a cool, dry place. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

WARNING! FLAMMABLE. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION.

WARNING! Contains asphalt, methyl acetate, rosin ester, mineral spirits, acetone and crystalline silica. Vapors may ignite explosively. Do not use or store near heat, sparks or open flame. Do not smoke when using this product. Extinguish all flames and pilot lights and turn off all sources of ignition, including stoves, heaters and electric motors during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use in a well-ventilated area. Avoid breathing vapors. Avoid contact with eyes and skin. Prolonged or repeated exposure may affect the nervous system causing dizziness, headache or nausea. If you experience eye watering, headache or dizziness, leave the area to obtain fresh air. Do not swallow. **FIRST AID:** If swallowed do not induce vomiting, call a physician or Poison Control center immediately. For eye contact flush with water for 15 minutes, call a physician. For skin contact wash thoroughly with soap and water. If overcome by vapors, get fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage or may cause cardiac arrhythmia**. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.**

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

Refer to Safety Data Sheet (SDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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For Technical Assistance call: 1-800-624-7767 Mon – Fri, 9:00am – 4:00pm ET
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Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067
www.henkel-northamerica.com

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