



# TECHNICAL DATA SHEET

**OSI**  
Professional Grade  
Adhesives & Sealants

**RF-140™**  
**Black Magic Roofing & Flashing Sealant**

**Henkel Corporation**  
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## DESCRIPTION

OSI® RF-140™ Black Magic Roofing & 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 RF-140™ 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, RF-140™ can be applied at temperatures between 20°F (-6.67°C) and 90°F (32°C) without difficulty in extrusion. Also, it resists the cracking which is common to most types of plastic roof cements.

## RECOMMENDED FOR:

RF-140™ is primarily used for bonding roof shingles, flashing and all general roof repairs. It may also be used for making minor repairs inside of gutters and downspouts. It is also excellent for fixing minor cracks in asphalt surfaces.

## NOT RECOMMENDED FOR:

- Use inside occupied structures or in enclosed spaces
- Applications as an expansion joint control sealant
- Bonding, polystyrene foams and polypropylene or polyethylene plastics
- Continuous water immersion

## FEATURES & BENEFITS:

Feature	Benefits
Non-hardening.....	Remains flexible
Weatherproof.....	Withstands harsh environments
UV Resistant.....	Will not deteriorate
Adheres to wet surfaces.....	Can be conveniently applied in all weather conditions
Easy spreading and non-sagging.....	Easy to apply with less mess

## COVERAGE

For a 10.2 fl. oz. cartridge:  
A 1/4" (6 mm) bead extrudes approximately 32 ft (9.5 m).  
A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 m).

For a 28 fl. oz. cartridge:  
A 1/4" (6 mm) bead extrudes approximately 85.8 ft (26.1 m).  
A 3/8" (9.5 mm) bead extrudes approximately 38.1 ft (11.6 m).

Color	Item #	Package	Size
Black	827579	Paper Cartridge	10.2 fl. oz. (301 ml)
Black	827580	Paper Cartridge	28 fl. oz. (827 mL)

## DIRECTIONS

### Tools Typically Required:

Utility knife, caulking gun and tool to puncture cartridge seal.

### Safety Precautions:

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

### Surface 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.

### 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 AND 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.

## PRECAUTIONS

Contains methyl acetate, asphalt, acetone and xylene.

**DANGER! EXTREMELY FLAMMABLE.** 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.**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defect or other reproductive harm.

**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.

Refer to the Material Safety Data Sheet (MSDS) 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. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. 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.

**TECHNICAL DATA**

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Black	<u>Application Temperature:</u>	Apply between 20°F (-7°C) and 90°F (32°C) (For easier extrusion of sealant at lower temperatures, store cartridge at room temperature at least 24 hours prior to use.)
<u>Appearance:</u>	Lump-free paste		
<u>Base:</u>	Synthetic Rubber & Resins	<u>Open Time:</u>	20 min.
<u>Odor:</u>	Solvent	<u>Cure Time:</u>	24 to 48 hours (Cure time is dependent upon temperature, humidity and depth of sealant applied.)
<u>Specific Gravity:</u>	1.302		
<u>Flash Point:</u>	> 10°F (-12.22°C)		
<u>% Solids by Weight:</u>	80% minimum		
<u>VOC Content:</u>	< 235 g/L (20% by weight)		
<u>Shelf Life:</u>	24 months (unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year		
(Lot code is stamped on bottom plunger of cartridge)	For example: 09061 = 61 <sup>st</sup> day of 2009 = March 2, 2009		

**Typical Cured Performance Properties**

<u>Color:</u>	Black	<u>Service Temperature:</u>	-20°F (-29°C) to 170°F (76.67°C)
<u>Hardness, Shore A:</u>	25	<u>Water Resistant:</u>	Yes
		<u>Specifications:</u>	Meets the requirements of: <ul style="list-style-type: none"> <li>▪ ASTM D 4586 – Standard Specification for Asphalt-Roof Cement, Asbestos-Free</li> <li>▪ ASTM D 3409 – Standard Test Method for Adhesion of Asphalt-Roof Cement to Damp, Wet or Underwater Surfaces</li> </ul>