



PRODUCT DATA SHEET

PROD. #P840 SMOOTH KNIFE GRADE
SEAL-FLEX ACRYLIC ELASTOMERIC PATCHING COMPOUND



PRODUCT DESCRIPTION

Richard's Seal-Flex Smooth Knife Grade Acrylic Elastomeric Patching Compound is a positive patching system formulated for the permanent repair of interior and exterior cementitious substrates such as, stucco and masonry cracks and surface damage. It provides long term durability, maximum resistance to wind driven rain, and is mildew resistant. Easy to apply, it provides excellent adhesion for application to a variety of common construction materials, maintains maximum flexibility and elasticity with minimal shrinkage, and it meets the American Society of Testing Materials (ASTM) specification #ASTM-D-746 for low temperature flexibility.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE										
<ul style="list-style-type: none"> Modified Acrylic Polymers Excellent Durability Excellent Adhesion Maintains Flexibility Minimal Shrinkage Resists Wind Driven Rain Meets ASTM Specifications Excellent Product Versatility Easy To Apply 	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i> INTERIOR / EXTERIOR</p> <table> <tr> <td>Masonry</td> <td>Wood</td> </tr> <tr> <td>Concrete</td> <td>Glass</td> </tr> <tr> <td>Stucco</td> <td>Non-Ferrous Metal</td> </tr> <tr> <td>Brick</td> <td>Primed Ferrous Metal</td> </tr> <tr> <td>Gypsum Drywall</td> <td>Etc.</td> </tr> </table> <p>Great For Both Interior & Exterior Use!</p>	Masonry	Wood	Concrete	Glass	Stucco	Non-Ferrous Metal	Brick	Primed Ferrous Metal	Gypsum Drywall	Etc.	<p>Product Quality: Premium / Best Product Use: Interior & Exterior Application: Wet Putty Knife, or Trowel, Etc. Product System: Water-Based Sheen: Flat</p>	<p>AIM Yes OTC Yes CARB Yes SCAQMD Yes MPI # No LEED® 09CI Yes LEED® 09NC Yes LEED® 09CS Yes LEED® H Yes</p>
Masonry	Wood												
Concrete	Glass												
Stucco	Non-Ferrous Metal												
Brick	Primed Ferrous Metal												
Gypsum Drywall	Etc.												

SURFACE PREPARATION

General: The surface area to be patched should be clean, dry, sound and free from dirt, grease, oils, waxes, mildew, efflorescence and any other surface contaminants that may cause adhesion failure as follows;

- Remove any loose, scaling, chipping or peeling paint from previously painted surfaces, as well as all powdery residues, efflorescence, chalk and laitance by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as pressure washing, electric sanders, grinders, etc.
- Unsound masonry around crack area must be removed by methods described above to reveal a more sound and stable substrate.
- All surface projections and mortar spatters must be leveled by grinding, stoning or scraping. Special attention should be given to holes and voids to insure that they are free from contamination.
- Any remaining chalk or porous coating not sufficiently removed by pressure washing must first be sealed with a properly recommended alkali resistant surface conditioner as recommended by Manufacturer.
- All masonry substrates should be properly tested for alkali presence. Do not apply Seal-Flex patching compounds if pH level readings are above 8.5.

NOTE: Allow all "NEW" concrete/masonry surfaces to dry/cure for approximately 30 days before application of material in accordance with industry standards.

Mildew - Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

- WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto www.epa.gov/lead.

PRODUCT ANALYSIS DATA

PIGMENT: 52.15%

VEHICLE: 47.85%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** White
- TINTING:** Not Recommended
- VEHICLE TYPE:** Modified Acrylic Polymer
- CONSISTENCY:** Smooth Knife Grade
- FINISH:** Flat
- FLASH POINT:** Non-Flammable
- VOC:** Not to Exceed 150 g/l – 1.26 lb/gal
(Meets AIM, OTC, CARB & SCAQMD Standards)
- SOLIDS:** By Volume: 64.74% ± 2%
By Weight: 76.90% ± 2%
- LOW TEMPERATURE FLEXIBILITY:** ASTM-D-726 – Pass
- WIND DRIVEN RAIN:** Federal Specification TT-P-555b, Section 3.3.3 – Pass
- MOISTURE VAPOR PERMEABILITY:** Federal Specification TT-C-555B, Section 4.4.8 – Pass 10.1 Perms
- TENSILE STRENGTH/ELOGATION @ BREAK:** ASTM D412-80 – Pass @250 PSI/600% Elongation
- SERVICE TEMPERATURE RANGE:** -30° F. to 180° F. / (-34° C. to 82° C.)
- FREEZE / THAW STABILITY:** Passes – 5 Cycles
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
Tack Dry: 4 Hours for prime coat application.
Recoat: 24 Hours, or overnight for finish coat application.
- CLEAN UP:** Warm Soapy Water
- THINNING:** DO NOT THIN!

RECOMMENDED FINISH COATINGS

The following Richard's products are recommended primer coatings for use in conjunction with this patching compound material. Recommended primer coatings are not limited to the products listed below;

- **New & Previously Painted Gypsum Drywall / Plaster:**
 - 26, Holzout II 100% Acrylic Primer/Sealer Stain Killer
 - 7-11, PPS Latex Primer/Sealer Enamel Undercoater
- **New & Previously Painted Wood:**
 - 26, Holzout II 100% Acrylic Primer/Sealer Stain Killer
 - 7-22, PPS Universal Alkyd Primer/Sealer Enamel Undercoater
- **New & Previously Painted Masonry, Stucco & Concrete**
 - 56, Signature Series Waterborne Epoxy-Ester Bonding Liquid
 - 1414, Rich Flex Alkali Resistant Acrylic Masonry Primer
 - 1791/1791-C, Rich Flex Acrylic Masonry Surface Conditioners
- **New & Previously Painted Non-Ferrous, Aluminum & Galvanized Metal:**
 - 26, Holzout II 100% Acrylic Primer/Sealer Stain Killer
 - 1215/1220, Excel Rust Shield 100% Acrylic DTM Primers
- **New & Previously Painted Ferrous Metal:**
 - 1015, Rust Shield Red Oxide Rust Inhibitive Metal Primer
 - 1018, Rust Shield Rust Inhibitive Metal Primer White

APPLICATION EQUIPMENT

- **Brush Application:** Not Recommended. See application instructions.
- **Roller Application:** Not Recommended. See application instructions.
- **Spray Application:** Not Recommended. See application instructions.

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – 6/case	Gallons – 4/case
2 Gallons – Each	5 Gallons – N/A
- **Weight per Gallon:** 13.21 lbs.
- **Shelf Life:** 2 Years Minimum

PRODUCT LIMITATIONS

- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and splatters immediately with warm soapy water, as well as all painting tools and airless equipment. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Thinning: Stir thoroughly and apply as it comes from the container. DO NOT THIN!

WARRANTY & LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. All warranties are excluded, whether expressed or implied, by operation of law or otherwise, including all implied warranties of merchantability or fitness for a particular purpose. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, for negligence or any other reason, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any misrepresentation made by the Dealer.

REV 09-14

PRODUCT APPLICATION – General

Richard's Seal-Flex Acrylic Elastomeric Patching Compound is formulated to be easily applied with a quality putty knife, trowel, or similar application tool as follows;

- **SMALL CRACKS**
 - Small cracks measuring approximately 1/64" to 1/32" do not necessarily need to cut or routed open.
 - Simply fill the crack using a wet putty knife or trowel.
 - Apply a generous coat of the patching compound over the center of the crack at a wet film thickness (WFT) of 1/16".
 - Feather-out the patching compound approximately 2" on both sides of the crack, or until it can no longer be worked.
- **LARGE CRACKS**
 - All crack, voids or joints that exceed 1/32" should be routed open to a "U" or "V" shape, approximately 1/4" in width, and 1/4" in depth.
 - Routed openings should then be flushed with water to remove excess grinding dust, and then allowed to dry thoroughly.
 - Once dry, brush out any remaining loose particles or grinding dust.
 - Apply Richard's #56, Waterborne Epoxy Ester Masonry Bonding Liquid to effectively seal and bind any remaining dust to the surface.
 - Fill the open crack with Seal-Flex, using a wet putty knife and/or trowel applying a generous coat of patching compound over the center of the crack at a wet film thickness (WFT) of 1/16" to allow for any shrinkage.
 - Feather-out patching compound approximately 2" – 3" on either side of the crack.
 - Cut a piece of fiberglass mesh cloth slightly larger than the patched area and firmly embed it into the patching material.
 - Apply additional Seal-Flex to cover the mesh and blend the surrounding surfaces area.
 - Allow to dry for approximately 4 hours, then spot prime the patched area with the recommended finish coating and allow to dry thoroughly.
 - For expansion joints, control joints, horizontal masonry joints and windows, apply a quality one part urethane caulking sealant.
 - Apply when surface and ambient temperatures are above 55° F and below 90° F.
 - Avoid exterior application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet patching material.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

KEEP OUT OF REACH OF CHILDREN!