

#### Product Description

Kel-Seal Knife Grade, Smooth Elastomeric Patch is a Top Performing High Technology product. It is formulated for larger cracks (1/16" to 1/4") in most commonly used building materials. Seals and waterproofs between stucco, concrete, masonry, wood, glass, wallboard and brick. Kel-Seal Knife Grade, Smooth Elastomeric Patch is specially formulated to adhere to any clean surface and to seal the joints between: stucco, concrete, masonry, brick, metal\*, glass, wood, wallboard, and many other common surfaces. May also be used on non-ferrous and primed ferrous metals

#### Special Instructions

- Do not use below grade or under water
- Application should be when temperature of air and surface is 50°F (10°C) or above in a 24 hour period
- If rain or threatening weather is expected within 8 hours, delay application until dry conditions exist.
- Never apply to frozen or frost covered substrates.
- Allow "new" concrete to cure for 30 days before any application this product.
- After 30 days, test for alkali presence. Do not apply if pH is above 10.
- Do not apply when the relative humidity is above 90%.
- For expansion joints, control joints, horizontal masonry joints and windows use Kel-Seal Urethane Fortified Acrylic Sealant.

#### Surface Preparation

**WARNING!** If you scrape, sand or remove old paint from any surface, 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. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead)

All surfaces must be firm and free of dirt, oil, grease, efflorescence, mildew and loose material. Unsound masonry must be wire brushed or blasted for a firm surface. Dirt, loose contaminants and chalk are best removed by high-pressure chemical and water blasting. Any chalk or porous coating not removed by pressure

washing must first be sealed with a suitable Kelly Moore surface conditioner To remove mildew, scrub with a solution of 3 heaping teaspoons of trisodium phosphate (TSP), 1 quart of hypochlorite household bleach and 3 quarts of warm water. (WEAR PROTECTIVE GOGGLES AND WATERPROOF GLOVES) Rinse thoroughly and allow to dry. Non-structural shrinkage cracks (larger than 1/16" wide) and non-structural movement cracks (larger than 1/16" up to 1/4") must be treated and repaired accordingly

#### Application:

**Small Cracks:** It is not necessary to cut out a crack measuring 1/64" to 1/32". Simply fill the crack using a wet putty knife or trowel. Make sure that the sealant is applied generously over the center of the crack at a wet film thickness of 1/16". Then feather the material to either side of the crack down to zero over a 2" area.

**Large Cracks:** All voids and joints that exceed 1/32" should be routed out to 1/4" wide by 1/4" deep Joint should be flushed out with water and checked to see that surface is sound and free of grinding dust. If dust is still evident after flushing, seal surface with an alkali resistant surface conditioner to bind the dust to the surface. Once the joint is sound, the use of a bond breaker tape is recommended. **Stage 1:** Fill the joint allowing for a small crest to remain. This will compensate for any shrinkage that might occur. **Stage 2:** After a minimum of 4 hours cure time, a feather cap of Sealant should be applied at a wet film thickness of 1/16". This should be placed over the center of the filled joint and "feathered" down to zero over a 2" area.

**DRYING:** Allow 24 hours before applying finish coats.

**COLOR:** White

**CLEAN UP:** Wash all equipment with warm detergent solution and rinse thoroughly with clear water.

**PACKAGING:** 1 Quart Container, 1 Gallon Can

**GUARANTEE:** Kelly-Moore guarantees the replacement of material if proven faulty. Container and proof of purchase must be provided for replacement. All damages, including consequential damage or any remedies are excluded.

#### CAUTION:

**Do not take internally.**

**Close container after use. Keep from freezing.**

**KEEP OUT OF REACH OF CHILDREN.**

*See Technical Data next page*

# 1108 KEL-SEAL (cont.)

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<u>PHYSICAL OR PERFORMANCE PROPERTY</u>	<u>TEST METHOD</u>	<u>RESULT</u>
Weight per Gallon	Lab Value	13.0 ± 0.2 lbs
% Solids by Weight	Lab Value	80.8%
% Solids by Volume	Lab Value	69.3%
Elongation	Lab Value	>500%
Viscosity: in seconds at 77°F	Semco 1/8" Orifice	6 ± 1
Rheological Characteristics		Thixotropic
Consistency	Observation	Brushable Paste
Odor	Subjective	Very Low
Vehicle Type		Acrylic (Elastomeric)
Volatile Portion		Water
Flash Point	Non-applicable	Non-flammable - Water base
VOC Content	Calculated	66.1 g/l (0.55 lb/gal)
Freeze/Thaw Stability	Lab Value	Avoid Freezing
Shelf Life	Lab Value	2 Year Minimum
Low Temperature Flexibility	ASTM-D-746	Pass
Service Temperature Range		-30°F to 180°F (-34°C to 82°C)

**Limited Warranty:** The statements made on this bulletin, product labels or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control, Kelly-Moore Paint Company, Inc., does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Kelly-Moore's quality control standards. Any liability whatsoever of Kelly-Moore Paint Company, Inc. to the buyer or user of this product is limited to the purchaser's cost of the product itself.