



RAPID REPAIR CRACK AND SPALL FILLER

DESCRIPTION: Proline's Rapid Repair Crack and Spall Filler is a two component 1:1 by volume, fast setting, high-strength urethane repair material. Rapid Repair is designed to repair cracks, spalls and joints prior to applying epoxy, polyurethane, polymer concrete, overlays, or any other coating system. Rapid Repair is also used to repair damaged control joints and spalled concrete in warehouses due to forklift and steel wheeled cart abuse. Rapid Repair can be ground smooth within 15-20 minutes.

APPLICATIONS:

- Floor Repair
- Spall Repair and Filler
- Crack Repair
- Rebuild control joints

ADVANTAGES:

- Fast setting
- 100% Solids, No VOC's
- Meets USDA requirements
- High strength, high impact resistance
- Cures from -20°F to 130°F
- Self-priming, self-leveling
- 15 minute dry time

SURFACE PREPARATION: The surface must be dry, clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. Some surface preparation methods include shot blasting and scrubbing with detergent or acid washing, neutralizing and rinsing. For cracks and joints, cleaning with detergent and pressure washing is usually sufficient. If using a saw to cut concrete and clean the crack, remove all the dust from the cut out area. Cut a vertical edge, minimum 1/2" deep, around perimeter of spall. Make sure the area is dry. Vacuum or blow off cement dust.

MIXING INSTRUCTIONS: The mixing ratio for Rapid Repair is 1 part A to 1 part B. Make sure material is stored at room temperature prior to mixing. Warm material will cause product to flash cure. **IMPORTANT** – Shake/mix Part B well prior to mixing with Part A. Once Part B has been agitated well, mix 1 part A to 1 part B in small amounts for 10 seconds, then add and mix sand. For thinner cracks, no sand filler is needed and the Rapid Repair should be mixed for 20 seconds. For wider cracks and spalled areas, quickly mix in #30 - #60 grit dry silica sand. Consistency can vary, but the Rapid Repair and sand mixture should be fluid and easy to pour.

APPLICATION INSTRUCTIONS: Rapid Repair cures fast (pot life between 2-3 minutes), so it is important to use quickly. Pour material into crack and overfill by about 1/16" - 1/8". If the material sinks below the surface, pour additional material in the crack to overfill. Deep cracks can be repaired in layers until the material is overfilled by 1/16" - 1/8". As the overfill material looks wet (within a couple minutes) broadcast #30 - #60 grit dry silica sand over the top until it looks dry. For spalled concrete, pour the Rapid Repair/Sand mixture into these areas. If needed a trowel or other tool may be used to spread. Overfill spalled areas by 1/16" - 1/8" and broadcast #30 - #60 grit dry silica sand over the top until it looks dry. Allow Rapid Repair to set about 20 minutes or until hard. **FLUSH FINISH** - For best results use a flexible grinding wheel. Grind smooth with a 7-inch wheel. Scraping or cutting may also be done with a sharp razor blade cutter. Cut as soon as product is set and not completely hard.



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www.prolinestamps.com // 800-795-4750 toll free

Liquid Properties	Component "A"	Component "B"
Viscosity, cps	190	188
Specific Gravity	1.14	1.01
Weight/gallon, lbs.	9.28	8.43
Color	Clear Amber	Neutral
% Solids	100	95
Mix Ratio		
By Weight	52g	48g
By Volume	1	1
Gel Time	3 minutes	
Properties of Mixed System		
Hardness (Shore D) @ 1hour	52D	
Hardness (Shore D) Final	73D	
Tensile ASTM D412	4600 psi	
Comprehensive Strength ASTM C109	4800 psi	
Bond Strength ASTM 882-99	3450 psi	
Elongation % ASTM D412	6% - 8%	
Tack Free	10 minutes	
Full Traffic	15 minutes	

CHEMICAL RESISTANCE: Test Procedure; ASTM D-1308 @72°F

R = Recommended RC = Recommend Conditional. Some swelling or discoloration
N = Not Recommended 1 = Some discoloration only

CHEMICAL	RESULT	CHEMICAL	RESULT
Acetic Acid 10%	R	Hydraulic Oil	R-1
Acetone	RC	Methanol (5%) Gasoline	RC
Battery Acid (Sulfuric Acid)	RC	Motor Oil	R-1
Brake Fluid	R	Toluene	RC
Chlorine (2000 ppm in water)	R	Vinegar	R
Citric Acid	R	Water	R
Gasoline	R	Xylene	R



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COLOR OPTIONS: Gray and Natural

STORAGE: Recommended storage temperature is between 65°F to 85°F. Do not store below 45°F or above 85°F.

CLEAN UP: Wet, unmixed material can be cleaned with acetone or xylene. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

SHELF LIFE: 1 year in original unopened container.

HOW SUPPLIED: Rapid Repair is packaged in 2 and 10-gallon kits for convenient use in a 1:1 Ratio

SAFETY PRECAUTIONS: Health Considerations: Consult the Proline Safety Data Sheets This chemical system requires the use of proper safety equipment and procedures. Please follow the Proline product SDS and Safety Manual for detailed information and handling guidelines. For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Proline. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Proline will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY. Avoid contact with skin and eyes. Use only with adequate ventilation and use a respirator when exposure levels are above applicable limits.

WARRANTY: This product is not for public use and is intended for use by licensed contractors, experienced and trained in the use of these products. It is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the affects or as results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.