



CRACK-ATTACK®
JOINT REPAIR AND SEAM SEALER: AIR DRY
SERIES E836 (RATIO-PAK APPLY FORMULA)
TWO-COMPONENT EPOXY COMPOUND

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DESCRIPTION

Crack-Attack® is an easy to use, long lasting epoxy joint repair and seam sealer compound. It is designed for use where maximum performance is required. Unlike latex or asphaltic crack fillers, Crack-Attack® is tough enough to withstand heavy vehicular traffic, heavy vibration and metal flexing. Product is applied with pneumatic two-component mixing gun that holds side-by-side Ratio-Pak cartridges.

OUTSTANDING FEATURES/BENEFITS

- 100% epoxy resin provides maximum strength
- Maintains flexibility
- Offers excellent adhesion
- Resists chemical spills, impact and abrasion
- Eliminates deterioration of expansion joints
- May be top coated

TYPICAL USES

- Interior and exterior cracked concrete
- Heavy traffic areas including: industrial aisles, warehouse floors, manufacturing and assembly areas, loading docks, parking garages, and bridge decks
- For sealing steel plates where flexing is a problem

NOTICE

Before using this product, read all warnings, limitations and safety information printed on the product label, Safety Data Sheet (MSDS), and Technical Data Sheet.

LIMITATIONS

- Both material and the substrate must be at or above 60°F when applied.
- Do not use more than 60 psi of air pressure on Ratio-Pak cartridge tubes, as rupture and spillage is likely to occur.
- Product may be used on exterior applications; however, product appearance will yellow over time due to the epoxy in its chemical makeup. Yellowing does not affect performance.
- Pneumatic air or manual gun necessary for application.

COMPOSITION AND PHYSICAL PROPERTIES

Net Weight per gallon	Combined: 9.72 lbs. (Theoretical)	Vehicle	Epoxy
Weight Solids	Component A: 100% Component B: 100%	Color	Milky White
VOC	Component A: 0.08 lbs./gallon Component B: 0.08 lbs./gallon	Color Stability	<i>Exterior:</i> Poor- yellows over time <i>Interior:</i> Good
Odor	Mild Ammonia	Primer	None required
Mix Ratio	1:1 (as expelled from Ratio-Pak cartridges)	Thinner	Use as supplied
Viscosity	High viscosity Paste	Cleanup	Sandstrom D112 Epoxy Thinner Blend
Shelf Life	2 years from Date of Manufacture	Induction Period	None
Storage Conditions	60°F - 100°F	Pot Life	2 hours @ 77°F
Freeze/Thaw Stability	Stable	Drying Time:	@77°F ± 5°F; ≤ 70% relative humidity; adequate ventilation
Coverage Rate	50 linear ft./ 600 ml unit @ 1/4" x 1/2" Bead	<i>Tack Free</i>	6 - 8 hours
Recommended Coats	1	<i>Foot Traffic</i>	24 hours
		<i>Complete Cure</i>	7 days

IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY
 We warrant our products to be free of manufacturing defects and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and are accurate to the best of our knowledge. They are based on technical data we believe to be reliable and are intended for use by persons having skill and "know-how" at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders of other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. SANDSTROM PRODUCTS COMPANY

PERFORMANCE AND FUNCTIONAL PROPERTIES	
CS-17 Taber Abrasion <i>ASTM D4060</i>	69 mg / 1000 cycles
Chemical/Fluid Resistance	Excellent
Elongation	300%
Hardness: <i>ASTM D2240</i>	
<i>Shore A</i>	70
<i>Shore D</i>	32
Temperature Resistance	Dry: 140°F
Tensile Strength	550 psi

GENERAL

Crack-Attack® is sold in two 300 ml Ratio-Pak cartridges, one each of Component A and Component B. Cartridges should be loaded into either pneumatic air or manual gun unit that holds two 300 ml Ratio-Pak cartridges. The unit mixes the components through a threaded nozzle and applies the combined Crack-Attack® to substrate via a beaded tip.

COVERAGE

The 600 ml Crack-Attack® sales unit will cover approximately 50 linear feet with a 1/4" by 1/2" bead.

SURFACE PREPARATION

Crack-Attack® should be applied only to surfaces which are structurally sound, clean and dry.

Application on concrete. Rake out cracks to remove weak or loose concrete, dirt, oil, grease, sediment and other contaminants. Saw cut or shot-blast concrete to achieve a clean, solid substrate. Allow the surface to dry thoroughly.

Application on metal. Surfaces should be wire brushed or sandblasted to a clean metal finish. Remove any debris from surface. Allow the surface to dry thoroughly. **NOTE:** Sandblasted surfaces must be coated before any discoloration or oxidation takes place. If the surface becomes wet, for whatever reason, it must be dried and re-blasted.

IMPORTANT! DO NOT TOUCH CLEAN SURFACE WITH FINGERS - OIL FROM THE HANDS WILL INTERFERE WITH PROPER COATING ADHESION.

STIRRING

Do not shake or stir product before use. Crack-Attack® is mixed during application through the threaded nozzle of the pneumatic gun at a 1:1 ratio of Component A to Component B. No further mixing is necessary.

THINNING

Product should be used as supplied.

APPLICATION

Pneumatic air or manual gun necessary for application. Please contact Sandstrom Customer Service for information on where to purchase components if necessary.

Load tubes securely in pneumatic gun unit. Ensure one each of Component A and Component B are loaded. Follow pneumatic gun manufacturer instructions to expel product in a smooth and even line. Adjust bead thickness based on application needs. Do not exceed 60 psi of air pressure or Ratio-Pak cartridges may rupture.

CURING

Allow product to air dry at 77°F ± 5°F and ≤ 70% relative humidity. Temperature and humidity variations will result in longer dry times.

- Tack Free.....6 - 8 hours
- Foot Traffic.....24 hours
- Complete Cure.....7 days

CLEANUP

Use Sandstrom D112 Epoxy Thinner Blend to clean equipment or tools and any overage or smudges.

REMOVAL

In the event product needs to be removed, use the same solvent blend as is recommended for cleanup.

DANGER! USE WITH ADEQUATE VENTILATION.

IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY

We warrant our products to be free of manufacturing defects and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and are accurate to the best of our knowledge. They are based on technical data we believe to be reliable and are intended for use by persons having skill and "know-how" at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. **NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT.** Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders of other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. SANDSTROM PRODUCTS COMPANY