



by Infrachoice

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Technical Data Sheet

Seal-A-Cast™ is a rapid setting, two-component, 100% solids polyuria with a locked molecular structure designed to protect manhole lids, frames and buried concrete grade rings from the constant impact of heavy, hard-wheeled industrial traffic. **Seal-A-Cast™** is hard enough to support and protect, yet flexible enough to accommodate movement. **Seal-A-Cast™** is available in three versions.

Liquid State;

“Field Adhesive” – Creates custom gaskets and bonds solid gasket to frame or lid.

“Field EXP” – Expanding, fast reacting void filler. Fills voids around casting and under. Repair product for concrete rings and other defects. Product will hang on wall.

Solid State;

“Formed.” – Pre-Formed C18 Gasket for quick in service install.

All products be used in both high and low temperature areas ranging from -40 to +250° F. It contains no VOC’s and meets USDA, FDA and CFIA requirements for use in regulated food processing facilities. **Seal-A-Cast™** is ideally suited to a wide range of applications where long term durability is required.

PRIMARY APPLICATIONS

- + Manhole Lid Cushion, Seal
- + Crack Repairs in Concrete and Asphalt
- + Concrete Grade Ring Bonding, Cushion, Seal
- + Road and Bridge Deck Repairs
- + Airport Runway Repairs
- + Sidewalk and Driveway Repairs

AVAILABLE COLORS

- + Red or Black
- + Custom Colors Available on Request
- + UV Stable (Colorfast) Version available

Properties

PROPERTY	Seal-A-Cast (Liquid Adhesive)	Seal-A-Cast (Liquid Void Fill)	Seal-A-Cast (Pre-Formed Seals)
Gel Time @ 75° F	5 Minutes	1 Minutes	N/A
Open to Vehicle Traffic@ 75° F	10 Minutes	10 Minutes	Immediate
Solids Content	100%	100%	100%
Hardness, Shore A (ASTM D2240)	85 A	85 A	85 A
Tensile Strength (ASTM D412)	1500 PSI	1500 PSI	1500 PSI
Bond Strength (ASTM D4541 Elcometer)	>400 PSI	>400 PSI	>400 PSI
Elongation (ASTM D412)	400%	400%	400%
Tear Strength (ASTM 2240)	450 PLI	450 PLI	450 PLI
Flexibility, 1/8” Mandrel (ASTM D1737)	Pass	Pass	Pass
Taber Abrasion CS17 wheel (ASTM D4060)	350 mg loss	350 mg loss	350 mg loss

Packaging

Part Number/Description	Gel Time (minutes)	Part Size	KIT CONTENTS
Field Adhesive (Liquid Adhesive)	5	600ml	12x 600ML Cartridges/12 SM
Field EXP (Expanding Void Fill)	1	600ml	12x 600ML Cartridges/12 SM
C18 Pre-Formed Cushion	n/a	24”	1x Pre-Formed Cushion
24 manhole Kit		12x600ml	10x 600ML ADH, 2x 600ML Field/24x SM/8x C18
Static Mixers (SM)		1	1x Static Mixer

*MH (Manhole), SM (Static

Mixer)

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Chemical Resistance Chart

CHEMICAL	RATING (25° C)	CHEMICAL	RATING (25° C)
Acetic Acid (100%)	R	NaCl / H2O (10%)	R
R Brake Fluid (DOT3)	RC	Potassium Hydroxide (10%)	R
R Diesel Fuel	R	Sodium Hydroxide (10%)	R
R Gasoline	R	Sodium Bicarbonate	R
R Hydrochloric Acid (10%)	R	Sugar / H2O (10%)	R
R Hydraulic Fluid (Oil)	R, Dis	Sulfuric Acid (10%)	R, Dis
R, Dis Mineral Spirits	R	Vinegar / H2O (5%)	R
R Motor Oil	R, Dis	Water	R
R Muriatic Acid (10%)	R	Xylene	C

R-Recommended, RC – Recommended Conditional (Swelling or discoloration, C – Conditional (cracking)

Field Cartridge Mixing Guidelines

Pre-mix the resin side (Side) by shaking the cartridge vigorously for one minute to place pigmentation evenly into solution (not required for natural color material). Insert the dual cartridge set in the appropriate size of dual cartridge gun. Remove the cap from the cartridges and install the static mix nozzle supplied in the kit. Mixing of the two components occurs automatically as the material flows through the nozzle.

Preparation Concrete/Cast Iron

New Concrete: Installation of **Seal-A-Cast™** should be deferred as long as possible after concrete placement to allow sufficient concrete curing time for the majority of shrinkage/joint opening to occur (ACI recommends 60-90 days).

Old Concrete: Remove all existing joint/crack sealer and patch repair materials, prior to installation of **Seal-A-Cast™**.

Cast Iron: Remove all existing scale/rust using metal brush or mechanical grinder, prior to installation of **Seal-A-Cast™**. Wipe away loose dust and debris with solvent.

Pre-Formed Cushions, Wipe with Solvent prior to use to remove any grease residue.

Clean-Up and Disposal

Clean skin with soap and water; clean tools with solvent such as MEK, xylene or toluene. Cured product may be disposed of without restriction. Un-cured hardener and resin portions should be mixed together and disposed of in a normal manner.

Storage, Shipping & Handling

Store product in a dry location in factory sealed containers at 60 to 90°F. Product shelf life is minimum 12 months in factory-sealed containers. **Seal-A-Cast™** is Class 55 not regulated by USDOT shipping regulations.

Safety

Refer to Material Safety Data Sheets.

DISCLAIMER

The technical data and any other printed information furnished by Infrchoice product group is true and accurate to the best of our knowledge. Infrchoice is the North American supplier for Seal-A-Cast product formulated by an outside party with strict quality control procedures and should be considered free of defects.

Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray or injuries resulting from the use of this product. Infrchoice Product Group makes no warranty, expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.



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