

# HP Concrete Repair



**ACR® HP Concrete Repair** is a trowelable grade, 100% solids polyurethane hybrid that has been formulated as a high-performance surface repair compound. ACR HP Concrete Repair can be used for interior or exterior applications. ACR HP Concrete Repair is viscous enough for trowel application, but will also self-level in most applications. ACR HP Concrete Repair is designed to be used in the TechCrete 2500 Waterproofing System for patching and repairing concrete and masonry surfaces.

## FEATURES

- Fast acting aromatic polyurethane hybrid designed for patching holes, spalling and voids in concrete and masonry surfaces.
- Fast return to service.
- Ready to grind in less than 15 minutes.

## PRODUCT PROPERTIES

Finish:	Glossy
Color:	Light Gray
Volume Solids:	100%
VOC (calculated):	0
Mix Ratio:	1 ISO: 1 RESIN

## TYPICAL APPLICATIONS

- Basins & Reservoirs
- Cold Storage Areas
- Concrete Decks
- Concrete Restoration
- Control Joints
- Equipment Wash-Down Areas
- Fish Hatcheries
- Fish Ponds
- Foundation Coatings
- Garage Floor Coatings
- Highway Construction

## PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Adhesion	DelFesko PosiTect AT-CM Concrete - unprimed	>250 psi SF
Elongation	ASTMD638	5-20%
Tensile Strength	ASTM D638	>5800 psi
Shore D Hardness	ASTM D2240	>80

## APPLICATION

Concrete or masonry surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. One of the following ACR products (or combination of products) should be used for cleaning and preparation.

- ACR Emulsifying Cleaner,
- ACR Paint & Stain Remover,
- ACR Concrete & Masonry Cleaner
- ACR Concrete & Masonry Etch.

Contact Alchemco's Technical Department to determine which product is best for the application. 800-610-2895.

## Mixing Instructions

The product should be at room temperature prior to mixing, to achieve proper flow and wetting. Avoid mixing and application of this product if the substrate temperature is below 50°F or above 95°F.

Thoroughly mix the ISO SIDE and RESIN SIDE in the 1/1 mix ratio. Blend thoroughly for approximately 2 minutes with a "Jiffy Mixer", "Squirrel Mixer", or "Rabbit Mixer" attached to a low-speed (400-600 RPM) electric drill. DO NOT use a paddle mixer or any mixers that will entrap air when mixing. This product is designed to be applied thin.

## Application Instructions

The recommended concrete application method of this product involves pouring it in a narrow line directly onto the concrete surface, then spreading it with a squeegee, trowel or putty knife. Spread the coating in a continuous manner from one side of the area being coated to the other. Application equipment should be cleaned using acetone.

## Coverage Rate

Coverage will vary depending on the thickness of the coat, substrate profile, substrate texture, and material penetration.

## Curing Properties

Gel Time:	4-8 minutes
Dry to Touch:	5-15 minutes
Recoat Window	16 hours w/o prep
Return to Surface:	8-20 minutes
Shelf Life:	6 months from shipping date
Flast Point:	ISO >400° F (>204° C) RESIN >453° F (>234° C)
Viscosity:	ISO 24 cps @ 25°C RESIN 99 cps @ 25°C



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# TECHNICAL DATA

## PACKAGING

ACR HP Concrete Repair is supplied in the following sizes;

Gallon Kits	1 gal of ISO & 1 gal of RESIN
Pail Kits	5 gals of ISO & 5 gals of RESIN

## SHELF LIFE & STORAGE

Containers should be sealed and kept in a cool dry location. Avoid prolonged exposure to direct sunlight. If properly maintained this product has a shelf life of twelve (12) months from shipping date.

## WARRANTY & SYSTEMS

The following warranties require the use of **ACR HP Concrete Repair** and are only available through *TechCrete Certified Applicators*;

- New Construction: **TechCrete DIAMOND**  
*30-Year Limited Liability Material & Labor Warranty.*
- New & Existing Construction: **TechCrete EMERALD**  
*15-Year Limited Liability Material & Labor Warranty.*

The following warranties are available when using **ACR HP Concrete Repair**;

- New & Existing Construction: **ACR 20-Year Limited Liability Material Warranty.** This warranty requires that the project be registered with Alchemco.

For additional information about the Alchemco system specifications or available warranties, either contact your local Alchemco distributor or Alchemco's Technical Department at [info@alchemco.com](mailto:info@alchemco.com) or call 800-610-2895.

## WARNINGS



**WARNING! Skin and eye irritant.  
May cause skin sensitization.**

**FIRST AID:** Eyes – Flush with water for 15 minutes and call physician.  
Skin – Wash thoroughly with soap and water.  
Use in well ventilated area.

**KEEP OUT OF REACH OF CHILDREN.**

**IF SWALLOWED: Do not induce vomiting. Immediately call a POISON CONTROL CENTER or doctor/physician.**

See Safety Data Sheet for further details regarding safe use of this product. Alchemco, 3532 Mayland Ct., Henrico, VA 23233 800-610-2895.



### WARRANTY DISCLAIMER

*Because of conditions of use which may be beyond our control, Alchemco shall not be held responsible in any manner for any personal injury or property loss resulting to the buyer or any other person from handling, storage, or use of this material not in accordance with directions. The buyer and/or user assumes all risk and liability resulting from improper handling or usage. There is no warranty expressed or implied of any kind, except as supplied in writing.*