

PRODUCT DESCRIPTION

APF L.T.E. Low Temperature Epoxy is a specially formulated, 100% solids acrylated epoxy system designed to provide positive cure down to 35°F and extremely rapid room temperature cure. Its low viscosity contributes to easy handling, excellent substrate wetting and the development of strong bonds to a variety of substrates including damp concrete. APF L.T.E. Low Temperature Epoxy cures blush-free even under cold, damp conditions. This material possesses a desirable combination of flexibility, chemical resistance and good impact resistance at low temperatures. APF L.T.E. Low Temperature Epoxy was developed for use in cold weather exterior concrete repair and refrigerated industrial areas where conventional epoxy systems cannot cure completely or cure too slowly to be of practical use to the coatings contractor. Because it is ready for traffic in 2-3 hours at room temperature, APF L.T.E. Low Temperature Epoxy is very useful in rapid turnaround concrete repair and floor coating projects. Its low modulus characteristics make this material well suited for industrial joint and crack repair.

The material will amber and is not suitable as a decorative top coat.

USES

- Garages
- Machine Shops
- Warehouse

ADVANTAGES

- Allows application of to concrete that is below normal application temperatures.

COLORS

Clear, & 16 Standard Colors

PACKAGING

Supplied in complete A+B 1.5 gallon (4.73 L), 15 gallon (94.6 L). Mix ratio 2A : 1B

TECHNICAL DATA

Mixing Ratio by Volume	2A : 1B
VOC Clear	190 g/l
VOC Pigmented	204 g/l
Solids Content, by Volume	100%
Tensile Strength (ASTM D-638)	4,230
Ultimate Elongation, (ASTM D-638)	40%
Compressive Yield Strength, (ASTM D-695)	6,350 psi
Cure Time (77°F)	
	Dry to Touch ~90 Minutes
	Light Traffic ~2 - 3 Hours
Cure Time (35°F)	
	Dry to Touch ~14 Hours
	Light Traffic ~20 Hours
	Full Cure ~7 Days

Higher temperatures reduce pot life and cure time, lower temperatures increase pot life and cure time.

SURFACE PREPARATION

Concrete must be cured for at least 30 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Concrete should be shot blasted to achieve a surface minimum texture of ICRI 3 - 4. Refer to ICRI Technical Guidelines 310-330 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair*. Acid etching is not recommended and will void Manufacturer's warranty. Carefully follow the guidelines listed in the Arizona Polymer Flooring published application instructions available at www.apfepoxy.com. Vacuum prepared concrete surface to remove all dust. Previously coated surfaces that are soundly adhered must be mechanically cleaned and abraded to achieve uniformly gloss-free, open texture.

CONCRETE MOISTURE

Test for concrete moisture in accordance with ASTM F2170 – 19. If moisture is indicated to be in excess of 85%, do not apply. Consult APF Technical Service for further information.

LIMITATIONS

- Do not apply below 35°F (1.6°C.) Application below freezing may not bond due to ice crystals in concrete.
- Very short working time above 60°F (15.5°C.)
- A test patch should always be performed to verify adhesion.
- Coating will yellow when exposed to UV light

MIXING

APF L.T.E. Low Temperature Epoxy is packaged in premeasured and bulk units. Proper proportioning and homogenization are critical for success. Mixing ratio is 2A : 1B. Premix both components for 3 minutes prior to blending. Drum units should be mechanically premixed with electric or pneumatic drum head mixer. Do not attempt to hand mix. Be sure to move the drill around the mixing container scraping the sidewalls and bottom.

Add component B to component A and mix with medium speed drill mixer for three [3] minutes.

APPLICATION

Apply with squeegee, back roll with quality 1/4- or 3/8-inch solvent resistant roller cover. Apply in thin layer of 12 - 16 mils. Do not apply by dip-and-roll, distribute material on concrete surface immediately after mixing. Ensure that primed surface is pore and pin-hole free. Apply second coat if necessary to ensure pore-free surface for subsequent applications.

SHELF LIFE

One [1] year from date of manufacture, in original unopened container. Store away from heat sources between 50°F and 85°F (10°C – 30°C).

HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves and safety glasses. User must read and understand Safety Data Sheet before using. APF Safety Data Sheets are available at www.apfepoxy.com

APF L.T.E. Low Temperature Epoxy PDS 01.04.24

STANDARD WARRANTY STATEMENT

ICP Construction, Inc. ("we" "us" or "our"), manufacturer of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defects in material only. No warranty shall be in effect until our Terms and Conditions of Sales (<https://www.icpgroup.com/wp-content/uploads/ICP-Group-Terms-and-Conditions-of-Sale.pdf>) are met, including payment and cooperative promotional considerations. We warrant that the covered product is free of defects in material only and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is (a) installed within its published shelf life, in strict conformance with specifications, and (b) handled, stored, mixed, and applied in accordance with our written instructions. It is your responsibility to initiate any claim against this warranty within the time frame specified below. If we determine that the product meets the requirements of this warranty, then we will, at our sole discretion, either refund the purchase price of the product or provide replacement product, in each case not to exceed the affected area as determined by our authorized technical representative. To obtain replacement or refund you must (a) provide timely written notice to us specifying in detail the non-conformity suspected (no later than five (5) working days after discovery), and (b) provide proof of purchase. We reserve the right to inspect the product prior to replacement. EXCEPT FOR THE EXPRESS WARRANTY ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HERewith, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME, OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY TO ANY PERSON, OR LOSS OF OR DAMAGE TO ANY PROPERTY (INCLUDING, WITHOUT LIMITATION, PROPERTY HANDLED OR PROCESSED THROUGH THE USE OF THE PRODUCTS), DAMAGES OR LOSSES RESULTING FROM CLAIMS OF OTHER PERSONS AGAINST YOU, OR DAMAGES OR LOSSES SUSTAINED AS THE RESULT OF WORK STOPPAGE, OR REMOVAL AND REPLACEMENT COSTS AND COSTS OF LABOR. IN NO EVENT SHALL OUR LIABILITY ARISING IN CONNECTION WITH OR UNDER THIS WARRANTY (REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW) EXCEED THE AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT ONLY. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. If you do not agree with these terms, you may return the product within thirty (30) days of purchase for a full refund, provided the product is not opened, altered, or adulterated in any manner, less any shipping and handling charges of any sort. Use of the product, or retention of the product beyond thirty (30) days, constitutes your acceptance of this limited and exclusive warranty. No customer, distributor, or representative of ours is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of us.