

Protect LTC-EP

Accelerator Additive for Epoxy Coating Systems



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DESCRIPTION:

Protect LTC-EP is a liquid post additive that will accelerate the cure rate of Protect epoxy coating systems. It can also be used as a catalyst to initiate the cure in situations where substrate temperatures are expected to be at the coating systems minimum temperature requirement.

USES:

Use in a primer, build coat, broadcast, grout filler and top coat simply by adding 3-4 fl. Oz per mixed gallon.

ADVANTAGES:

- Accelerates cure rate by as much as 33% at given temperature.
- Solvent Free
- Complies with VOC regulations for industrial maintenance coatings in the OTC and CA*.
(*excluding SCAQMD when thinned to max)

STORAGE: Materials should be stored in un-opened containers between 65°F (18°C) and 90°F (32°C) and at or below 50% RH.

SHELF LIFE: 1 year from date of manufacture (un-opened).

PACKAGING KITS/ PART NUMBERS:

Available in full 5 gallon Pails.

LIMITATIONS:

Contamination and surface defects: If contaminants including oil, silicone, mold release agents and/or other materials are present, resin systems may fisheye or crawl away from the surface. All surface contaminants should be removed with a suitable detergent prior to application. Solvent cleaning of silicone based contaminants is NOT RECOMMENDED.

LTC-EP additive will accelerate natural yellowing in all epoxy systems. Consideration should be taken when used in the top or finish coat. LTC-EP additive is not recommended in epoxy basecoats or primers that will directly receive urethane topcoats. Extra preparation of the accelerated basecoat is required to insure bond of urethane top coat.

LTC-EP is not recommended for use in the basecoat or final coat in areas where a high degree of point load impact is expected as this additive decreases impact resistance.

Please contact Technical Service for additional recommendations.

MATERIAL PROPERTIES*:

Properties	Test Method	Results
Flash Point	ASTM D3278	≥300 °F
Volume Solids	ASTM D2369	100 %
Viscosity	ASTM D2196	400-700 cPs

MIXING: Premix all components of epoxy coating system as specified on system data sheet.

After adding Part B amine curing agent, add 3-4 fl. Oz. per mixed gallon of LTC-EP additive. Mix an additional 1 minute. **Note: Pot**

life of mixed material is decreased with use of this additive by approximately 30%.

TECHNICAL SUPPORT: For application questions, please contact your salesman or PIP technical service at 440-243-4560.

DISPOSAL: Dispose in accordance with federal, state, and local regulations.

READ MATERIAL SAFETY DATA SHEET (MSDS) FOR SAFETY AND PRECAUTIONS. USE PRODUCT AS DIRECTED FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY:

Protective Industrial Polymers Inc. warrants that goods shipped will conform to the manufacturer's written specifications. Protective Industrial Polymers accepts no responsibility or liability for consequential damage resulting from failure in performance regardless of whether or not our products are found to conform to our specification or have failed due to other means. Liability is limited to the supply of replacement product for only the areas proved to be defective. The term of limited warranty shall be one year from date of purchase of materials. Installation of all products purchased must be by approved professional installers recognized by Protective Industrial Polymers. Contact your sales representative or Customer Support for confirmation of contractors. A modification to any component nullifies any warranty. Proper record of field conditions must be maintained by the installer (I.E. surface and atmospheric conditions, usage rates, and lot numbers of product installed). Protective Industrial Polymers reserves the right of inspection of any installed product, installation and maintenance records and may conduct additional testing as is reasonably required to determine cause. Warranty is only in force for products or materials that have been paid in full.

Protective Industrial Polymers disclaims liability for incidental and consequential damages resulting from a breach of any warranty, expressed or implied including damages caused by, but not limited to, the following: Acts of GOD including fire, flood and warfare, Building or structural weakness including settling, casualty, or accident, Exposure to destructive chemicals not specified in the proposal or processes, Gouging of the floor coating surface by not providing reasonable protection and maintenance or any improper use of the floor, Facilities equipment and machinery being installed after floor system was applied, Business interruption, Premature use of floor without proper cure period, Damages by acts of others to property and personal. Moisture Vapor Transmission (MVT) and ASR (Alkali Silica Reaction) Disclaimer and Exclusion: Although rare, some floors at or below grade level are sometimes subjected to saturation by moisture from beneath the concrete floor slab. This moisture can travel through the concrete and collect between floor toppings creating the potential for delaminating from hydrostatic pressure and or ASR. Conditions contributing to this include heavy rainfall, broken pipes, excess hydration within fresh concrete, and other factors or defective and old concrete. These factors are difficult, if not impossible to predict. Protective Industrial Polymers recommends testing for MVT and/or the presence of ASR in the concrete substrate prior to applying any polymer floor topping. The recommended test method for MVT utilizes calcium chloride test kits. ASR can be predicted by a higher than normal pH within the concrete. If high pH should be detected, it is recommended a lab test for ASR. If and when delamination of the floor occurs because of a moisture condition that exists beneath or in the concrete slab or failure of the concrete due to ASR, this Limited Warranty does not extend to such delaminating or topping failure.

This writing constitutes the sole and only agreement of warranty relating to Protective Industrial Polymer products. Any prior agreements, promises or representations by Protective Industrial Polymers not expressly set forth in this agreement are of no force and effect.

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Protect LTC-EP

Universal Epoxy System

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