

# UDT Epoxy Patch Additive



**ULTRA DURABLE**  
**TECHNOLOGIES**  
Manufacturing Innovative Coatings



## PRODUCT NAME

# UDT Epoxy Patch Additive

## MANUFACTURER

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## PRODUCT DESCRIPTION

UDT Epoxy Patch additive is a very fine powder that is added to epoxy coatings (MC and MC-UV Epoxy) during the mixing process to achieve a thick-viscosity patching material.

## UNIQUE ADVANTAGES

- Adjustable Thickness
- Resists Sagging
- <1% Crystalline Silica / Minimal Dust
- May be pigmented
- Non-hazardous/DOT & IATA (Air) non-regulated

## WHY CHOOSE UDT EPOXY PATCH ADDITIVE?

UDT Patch Additive contains <1% silica and is formulated to release a minimal amount of silica dust into the air during the mixing process. This is important because occupational exposure to crystalline silica dust may be associated with an increased risk for pulmonary diseases such as silicosis, tuberculosis, chronic bronchitis, chronic obstructive pulmonary disease (COPD) and lung cancer.

## FLOOR PREPARATION

Concrete must be cured for 30 days prior to coating, structurally sound, and free of contaminants including but not limited to waxes, loose paint, dust, dirt, grime, oils, release agents, curing compounds, and any surface laitance (a layer of weak and non-durable material). Concrete should be shot-blasted or diamond ground to achieve a minimum CSP 2 or CSP 3 profile (30-80 grit metal-bond diamonds).

## MOISTURE VAPOR EMISSIONS PRECAUTIONS

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. A moisture test should be performed resulting in a maximum MVT rate of 3 pounds per 1000 sq. ft. in 24 hours. UDT can supply moisture remediation products and information. Consult your UDT distributor or representative for more information. UDT and its distributors and representatives will not be responsible for coating failures due to undetected moisture vapor emissions.

## MIXING INSTRUCTIONS

Determine quantity of UDT Epoxy Patch Additive (Patch) to prepare based on the application.

- For larger holes and expansion joints, mix at 2:3 ratio (Add 2 parts Patch to 3 parts mixed MC-Epoxy). The result of this mixture will be a thick paste that largely resists sagging in large voids.
- For shallow cracks and spalls, mix at 1:3 ratio (Add 1 part Patch to 3 parts mixed MC-Epoxy). The result of this mixture will be a thin, glue-like paste.
- Fill a measuring cup with the desired amount of Patch. Do not pack the patch material down when measuring. Begin mixing the MC Epoxy at the normal ratio (2 Parts A to 1 Part B).
- After mixing the epoxy for 1 minute, add the Patch Additive and continue mixing for an additional 2 minutes. It is recommended to mix only the amount of Patch material that can be applied within 5-10 minutes.
- Thinner Patch (1:3 ratio) will be usable for approximately 10-15 minutes.
- Thicker Patch (2:3 ratio) sets up faster and will be usable for approximately 5-10 minutes.

## APPLICATION INSTRUCTIONS

Immediately begin applying mixed Patch material to the floor with a flat metal trowel or putty knife. Pour or push the Patch material into holes and then scrape excess material from the surface. Thinner Patch mixes may leak through small voids in cracks. To prevent this and help fill deep voids, pour a small amount of fine sand into the crack/void before applying Patch. Allow Patch to dry thoroughly before grinding or sanding. If sanding or grinding is not needed, proceed to mixing and applying subsequent coating(s).

## WARRANTY

Ultra Durable Technologies, Inc.'s products are warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied, is made to the effects of such use. The seller and manufacturer's obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. Contact your distributor or representative for more information.

**PACKAGING:** 5-gallon pail

**SHELF LIFE:** 2 Years (24 months) in original packaging