

# INSTANT PU REPAIR

Ultra-Low-Viscosity Aromatic Polyurethane Repair Product

Technical Data Sheet



## DESCRIPTION

The INSTANT PU REPAIR is a two-component aromatic polyurethane crack repair system providing ultra fast curing. This product has been designed to repair concrete cracks and small holes on horizontal surfaces. It can also be used for below-grade repairs and at very low temperature levels.

## USES

The INSTANT PU REPAIR is suited for several applications:

- + Repairing cracks in concrete
- + Filling small holes
- + Repair below-grade structures
- + Cold temperature applications (-30°C / -22°F)

## ADVANTAGES

- + Extremely fast curing, can be grinded after 15-20 minutes
- + Indoor/outdoor applications
- + Cures at very low temperature
- + Low viscosity allows for optimal concrete penetration
- + Possible to mix with silica sand, quartz, LABTEC Thickening Agent or silica to build up viscosity

## PRODUCT DATA

<b>Mix Ratio</b>	1A:1B
<b>Packaging</b>	2 US gallon kits (2 x 3,78L)
<b>Color</b>	Milky/Yellowish
<b>Shelf Life</b>	Six months in original unopened factory pails under normal storage conditions
<b>Application Temperature</b>	-30°C / -22°F, Max 30°C / 86°F
<b>Cure Time</b>	<b>22°C / 72°F and 50% Rel. Hum.</b>
Working time	4 min
Tack Free	15 min
Dry Through	20 min
Foot Traffic	20 min
Full Cure	24 h

## TECHNICAL PROPERTIES

Solids Content	60 %
Viscosity (A&B)	100 cps
VOC Content	416 g/l

## SURFACE PREPARATION

Concrete should be clean, dry and free of grease, oil, paint, curing agents or any contaminants that may inhibit proper adhesion. Concrete should be cured at least 28 days before applying the coating system.

Proper testing procedures should be practiced with regards to soil acidity and moisture vapor transmission. Take a pH reading to ensure concrete is neutral (a reading between 5 and 9 is acceptable). Use a Tramex® CME / CMExpert to measure the moisture content of the concrete slab. Moisture content must be below 4% before applying the product. It is necessary to take several measurements at various places on the slab. If the reading is higher than 4%, steps will be required to neutralize the soil moisture. The first thing to do is to make sure that the floor is completely dry before application. Floors with higher results can receive the LABPOX® MVB moisture mitigation.

Surface must be shot blasted or prepared with an equivalent mechanical means in line with CSP 2-3 or more depending on the application. Ensure the surface is free of contaminants, and the pores are open to allow the product to penetrate.

## MIXING

Mix one part of A and one part of B together in a separate container. The surface must be clean and free of any outside particles. Mix thoroughly using a drill. Mix only the necessary quantity to be used according to the specified pot life / working time. If mixed with aggregates, use a mixing ratio that does not exceed 3:1 (aggregates to INSTANT PU REPAIR).

## APPLICATION

This product will cure at -30°C / -22°F. If a heated floor is installed, ensure that the system is turned off at least 2 hours before application and for the full duration of applicable curing time. The product has been designed to adhere to concrete surfaces.

The product needs to be poured in repair areas. Make sure to seal the surface with the INSTANT PU REPAIR prior pouring the product. Versions with aggregates can be applied using a trowel and/or a scrapper. Proper testing should be conducted prior to application. Contact a Labsurface sales representative prior to using this product.

It is mandatory to add silica sand or quartz to the INSTANT PU REPAIR (with full saturation to rejection) to provide adhesion of LABPOX epoxies.



## RECOAT

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Recoat with the LABFAST® or LABSHIELD® base coat within 60 minutes after the application of the INSTANT PU REPAIR. Do not recoat with an epoxy coating unless silica sand or quartz were added to the INSTANT PU REPAIR (with full saturation to rejection) when installed.

## AVAILABLE COLORS

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**Milky / Yellowish**

## LIMITATIONS

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Requires a dry substrate. Moisture content of the substrate must be measured with a Tramex® CME / CMEExpert at must be below 4% before applying the product. This product should not be applied to concrete substrates that show high levels of moisture/humidity unless a moisture a LABPOX® MVB moisture mitigation system is used. Do not recoat with epoxy. It is also recommended to do proper testing if a nonconventional installation is considered. Drying time will be faster in a hot and/or humid environment. Conversely, the drying time will be longer in a cold and/or dry environment. Keeping the product stored at room temperature.

The usage of direct-fired, unvented and certain other heat sources are not recommended as they emit byproducts that may negatively impact the curing process of the resin and lead to defects such as amine blush, whitening, loss of adhesion, or other surface imperfections.

Labsurface stands behind the quality of its products. However, Labsurface cannot guarantee results since Labsurface has no control over surface preparation, operating conditions and application procedures. Clients are solely responsible to test Labsurface's products to determine if they perform as expected. To meet our strict requirements, we are continuously testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data included in this reference document may not be up to date as of the date of reference. Contact Labsurface for further information regarding the limitations of this product.

Exposure to certain chemicals may cause reactions similar to those experienced with allergies. Chemicals that may cause sensitivity include synthetic and natural substances found in the Part A or the Part B of flooring or casting products. Once cross linked and completely cured, those substances are inert and therefore should not result in allergic reactions. Raw materials used by Labsurface do not differ significantly from comparable products manufactured by our competitors.

**Refer to the most recent Material Safety Data Sheet prior using this product.**

## LABSURFACE

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