



# LABTEC METALLIC PIGMENTS

## Description

The LABTEC Metallic Pigments are special effect pigments composed of mica nano-particles coated with organic and inorganic pigments to create finishes with a unique aspect and design with a depth effect. The LABTEC Metallic Pigments are designed to be field-blended with LABPOX 30 clear or LABPOX 40 UV, creating a pearlescent finish with dramatic color effect through light interference and light absorption.

The installation of a metallic epoxy system requires a focused approach in order to optimize the desired result.

There is a great degree of color variance from one job to another which is why most of our recommendations are based on the technical and non-aesthetic aspects of the product. We advise you to test the clear metallic on epoxy backgrounds (base coat) of different colors, the results can vary significantly depending on whether the background color is pale or of a darker pigmentation.

## Uses

LABTEC Metallic Pigments can be used either with the LABPOX 30 clear or the LABPOX 40 UV.

- + Residential uses
- + Commercial centers
- + Office buildings
- + Retail stores
- + Garages
- + Food/beverage processing and preparation plants
- + Public facilities including hospitals and schools
- + Pharmaceutical companies

## Application Data

### Metallic pigment - Paste-in for TDS

#### Application Data

Mix Ratio	1 pod (120 g) per gallon of part A	
	<u>Metallic Pigment</u>	<u>Epoxy Kit</u>
	2 pod	3 US gallon kit (3 x 3.78L)
	10 pods	15 US gallon kit (3 x 18.9L)
Color	See Metallic Color Chart	
Packaging	1 pod (120g ≈ 4.23 oz)	
Shelf Life	One year, in original unopened factory pails under normal storage conditions	

## 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.

Please refer to LABPOX 30 or LABPOX 40 UV TDS for additional information regarding the surface preparation.

## Mixing

Before final mixing, pre-mix part A at low speed with the LABTEC Metallic Pigments. Special attention must be paid in order to avoid unwanted streaking or comet trail effects. To allow the small pigment agglomerations to properly disperse in the part A, wait before mixing with part B between 1 and 24H prior to application. Use proper mixing procedures to avoid adding air into the coating while mixing. Mixing should be done until the color is uniform.

Mix two parts of A and one part of B together at low speed in a separate container. The mixing container must be clean and free of any outside particle. Mix thoroughly for three minutes using a low speed drill (300-450 rpm) to minimize the entrapping of air. Make sure to scrape off sides and bottom of mixing container so no unmixed material remains. Mix only the necessary quantity to be used according to the specified pot life / working time.

## Application Steps

- + For metallic systems, the topcoat can be applied at thickness level between 30 and 50 mils.
- + For light traffic applications a two-layers system shall suffice.
  - + Thin colored 4-12 mils (organic pigments) with a scraper (squeegee) only.
  - + Second layer (30-50 mils clear topcoat) with the LABTEC Metallic Pigments.
- + If there is a significant presence of pinholes after applying the first coat due to the porosity of the concrete, sandblast and plug the pinholes with epoxy gel.
- + Spread the topcoat with a Trowel (Magic Trowel), or a standard application by using a notched Squeegee 18" and 1/8" serrations or pin rake and back roll to ensure even thickness.



## LABTEC METALLIC PIGMENTS

- + If you are considering a two-color metallic epoxy system, please be aware of the working times that the coatings allow. Your working time shall not exceed the 50-60 minutes as referenced in our Technical Data Sheets under optimal conditions at 22 degrees Celsius. The negative effects from overextending the allowable working times may result in the presence of roll marks and / or holes left by your spikes.
- + To obtain a matte finish allow a recovery time (indicated on the technical data sheet of the product to be covered) then apply 2 coats of AQUALAB PUR MATTE (water-based polyurethane) on top of the epoxy, (the covering window may vary from product to product). Refer to TDS for more information about application of AQUALAB PUR MATTE.

### Available Colors

Metallic Color Chart



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

### Labsurface

101-1079 des Forges, Terrebonne, QC, Canada, J6Y 0J9  
Phone: 450-966-9000 / Fax : 450-621-3135  
Labsurface.com