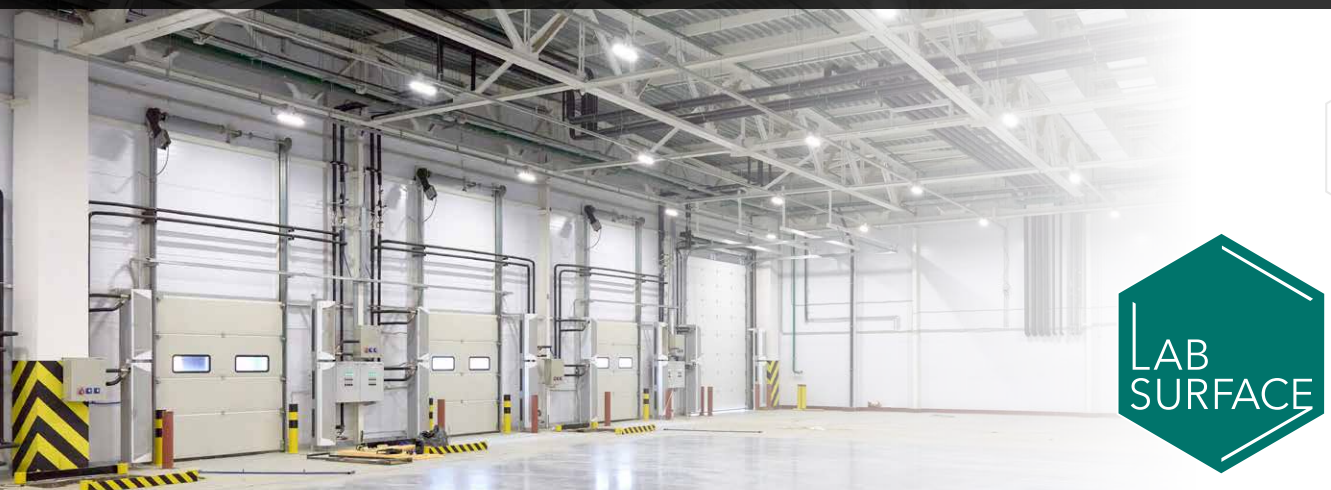
LABSYSTEM FOR WAREHOUSES & LOADING DOCKS

High-performance epoxy flooring system engineered for warehouse environments



LAB SURFACE

The Science of Coatings

LABSYSTEM FOR WAREHOUSES & LOADING DOCKS

High-performance epoxy flooring system engineered for warehouse and loading dock environments

LABFLOOR 4E is a high-performance, solid-color, 4-coat flooring system installed at 25–31 mils, specifically engineered to meet the rigorous demands of warehouses, loading docks, and heavy-duty logistics areas. Designed to resist forklift traffic, pallet movement, and chemical exposure, this system combines advanced epoxy and polyurethane technologies to deliver exceptional durability, traction, and long-term protection.

Its **superior abrasion and impact resistance** eprotect against daily mechanical stress, while its seamless satin finish improves visibility, reduces dust accumulation, and facilitates cleaning — essential in high-traffic industrial logistics environments.

LABFLOOR 4E is ideal for facilities requiring durability, safety, and efficiency, offering a superior solution for warehouses, loading docks, and distribution centers..

USES

+ **Warehouses & logistics centers**
+ **Loading docks & freight areas**
+ **Storage and distribution facilities**
+ **Heavy-traffic corridors and maintenance zones**

ADVANTAGES

+ **Pinhole Mitigation Technology**: Labsurface's Pinhole Mitigation Technology in LABPOX® 30 **reduces pinholes by up to 98%**, minimizing repair time and ensuring a uniform, dense surface — even under heavy warehouse conditions.
+ **Impact & Abrasion Resistance:** Engineered to withstand the continuous use of forklifts, pallet jacks, and loading equipment without compromising the floor's integrity or appearance.
+ **Excellent Chemical Resistance:** The ABFENDER™ topcoat provides protection against oils, fuels, de-icing agents, and other substances commonly found in loading dock and warehouse environments.
+ **Slip-Resistant Satin Finish:** Enhances traction in loading and unloading zones, reducing the risk of slips in high-traffic or wet conditions.
+ **Smooth & Consistent Application:** Long working times and optimal viscosity ensure an easy, seamless, and bubble-free installation on large open surfaces typical of warehouses.
+ **Low-VOC:** Meets environmental and indoor air-quality standards — ideal for facilities operating 24/7 with limited ventilation.

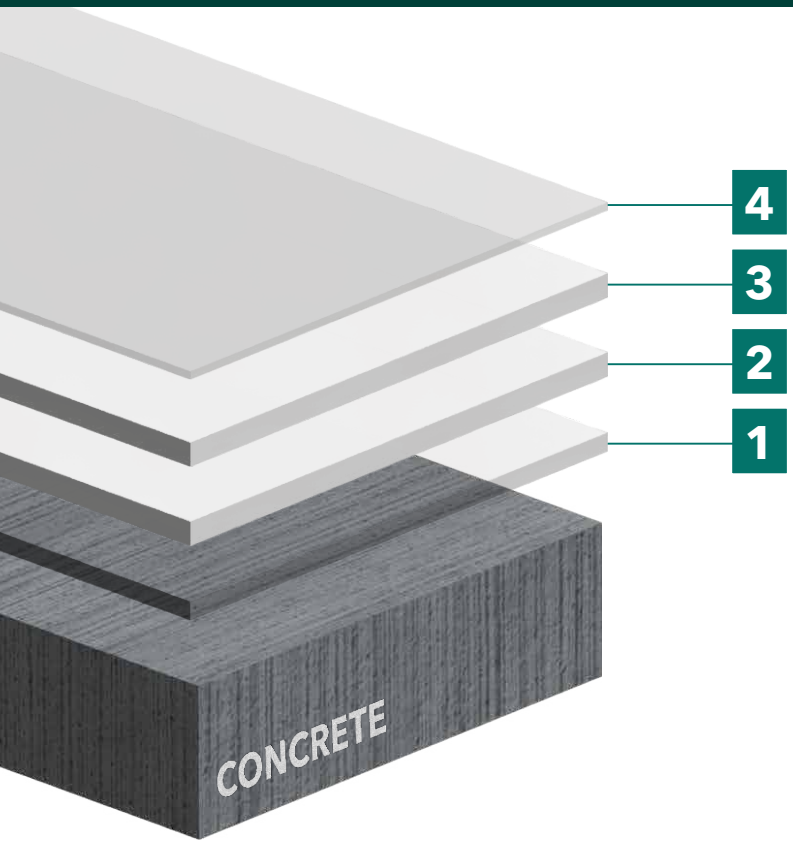
COLOR OPTIONS

LABFLOOR 4E is available in the complete LABPOX® 30 PRE-TINTED color range, providing design flexibility and clear zoning capability in warehouses. Choose from neutral grays for large areas or high-visibility tones for safety and traffic delineation.

The colors displayed are approximate. Colors provided can vary depending on the system being used and normal production tolerance. Therefore, colors may vary, they are here a global reference.

Light Concrete	Mid Concrete	Dark Concrete	Stone Concrete
Beige	Sand	Tan	Beechwood
	White	Black	

LABFLOOR 4E
4-coat Epoxy Flooring System



1- PRIMER

LABPOX® PRIMER
VOC-Free Epoxy Primer
THICKNESS: **6-8 mils**

2- BASE COAT #1

LABPOX® 30 PRETINTED
100% Solids, High-Performance Epoxy
THICKNESS: **8-10 mils**

3- BASE COAT #2

LABPOX® 30 PRETINTED
THICKNESS: **8-10 mils**

4- TOPCOAT

LABFENDER™
Moisture-Cured Aliphatic Polyurethane
THICKNESS: **3 mils**

SYSTEM TECHNICAL PROPERTIES

22°C / 72°F and 50% Rel. Hum.

ASTM D2370 **Tensile Strength**	7800 psi	ASTM D4060 **Abrasion Resistance (Taber)**	20 mg
ASTM D638 **Elongation at Break**	7%	ASTM D2240 **Shore D Hardness**	82
ASTM D695 **Compressive Strength**	13200 psi	ASTM E303 **Coefficient of Friction**	1.3

Please refer to the product technical data sheets (TDS) for more detailed information and limitations, including specific ASTM standards and explanation.

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SAFETY MARKING OPTION

Complete your LABFLOOR 4E system with **LABPOX® SAFETY LINES**, a 100% solids, high-performance epoxy designed for durable and high-visibility markings in aisles, pedestrian paths, and loading zones. This epoxy provides crisp lines and superior coverage, ensuring long-lasting visibility and compliance with warehouse safety standards.

Its low-VOC, low-odor formulation and exceptional chemical resistance make it ideal for the toughest industrial environments, ensuring long-lasting visibility and safety where it matters most.

Yellow
Red
Blue
Green

LABSURFACE:

Elevating standards in coating solutions since 1995

At Labsurface, our flooring systems combine performance, safety, and durability, driven by constant innovation. Our R&D department, the cornerstone of our success, enables us to meet the demanding needs of industrial and manufacturing projects. We take pride in our role as industry pioneers, dedicated to advancing high-performance coating technologies for concrete surfaces.

EXPERTISE & DEDICATION

Labsurface is more than a manufacturer – we are architects of innovation. Our team of over 50 dedicated professionals brings decades of combined expertise in research, development, and technical application. This collective knowledge ensures optimal product quality, meticulously controlled from formulation to final inspection.

CONTINUOUS INNOVATION

To remain at the forefront of industrial coating technology, Labsurface invests heavily in R&D and material science. Our epoxy, polyurethane, and polyaspartic systems are engineered with advanced mechanical and chemical properties to meet the rigorous demands of modern manufacturing environments.

Most of our product lines are low-VOC or VOC-free, making them ideal for sustainable and LEED-certified projects.

DEDICATED SUPPORT

Our team is dedicated to providing the highest level of technical support and service to our clients. Whether addressing customer requests promptly or offering support in challenging environments, we are committed to supporting clients in even the most challenging industrial settings.

Trusted by Industry Leaders

From warehouses to distribution hubs, Labsurface systems deliver safety, performance, and durability where it matters most.

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