**LABSYSTEM** FOR CAFETERIAS

# **Tailored flooring solutions** designed for cafeteria and food-service environments

LAB SURFACE

**The Science of Coatings**

**LABSYSTEM** FOR CAFETERIAS

# Innovative flooring tailored to the demands of food-service space

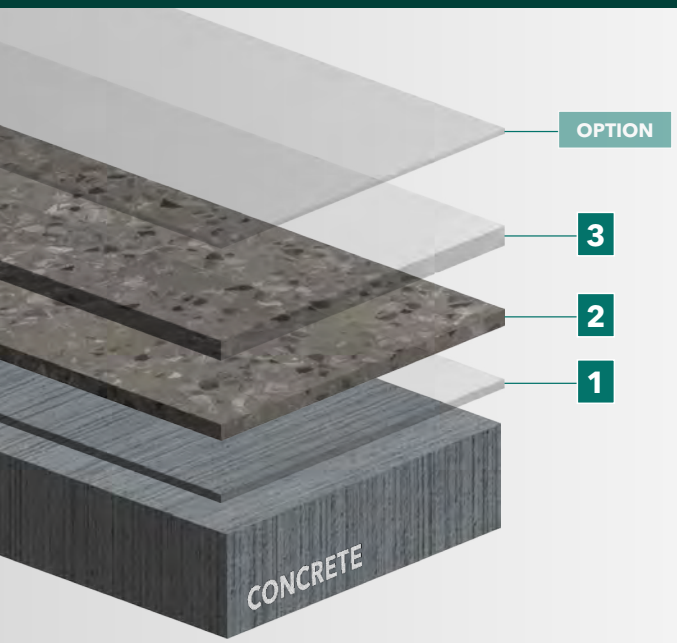
Cafeterias require flooring that can withstand heavy foot traffic, daily cleaning, food spills, and chemical exposure—all while maintaining a clean, safe, and professional appearance. Labsurface offers two high-performance flake systems engineered specifically for these demanding food-service environments.

**LABFLAKE 3P 100**, a fast-curing 3-coat polyaspartic system, ensures rapid installation, UV stability, and proven chemical resistance—ideal for cafeterias requiring minimal downtime and consistent hygiene.

**LABFLAKE 4E**, a durable 4-coat epoxy system, provides long-term performance, superior abrasion resistance, and an easy-to-clean seamless finish suitable for commercial kitchens and high-traffic dining areas.

# LABFLAKE 3P 100

## 3-coat Polyaspartic Flake Flooring System




**LABFLAKE 3P 100** is a 3-coat, 100% solids polyaspartic flake flooring system installed at 23–29 mils, designed for fast installation, UV stability, and excellent chemical resistance. Using odor-free, non-yellowing LABSHIELD® ECO, it's ideal for time-sensitive cafeteria and food-service applications.

### ADVANTAGES

+ **Full UV Stability:** 100% solids polyaspartic formulation ensures long-term color retention with **no fading or yellowing in areas exposed to sunlight.**
+ **Chemical Resistant:** Withstands exposure to **cleaning agents, sanitizers, food acids, grease**, and other chemicals commonly found in cafeterias.
+ **Fast turnaround:** Quick curing minimizes downtime—ideal for cafeterias that must reopen rapidly.

### 1- PRIMER

**LABPOX® PRIMER**
VOC-Free Epoxy Primer

TACK-FREE: **2h30**
THICKNESS: **4-6 mils**

### 2- BASE COAT

**LABSHIELD® ECO**
with Flakes
100% solids, Long Working Time,
Quick Curing and Odor-free Polyaspartic

TACK-FREE: **1h10 - 1h45**
THICKNESS: **8-10 mils**

### 3- TOPCOAT

**LABSHIELD® ECO**

TACK-FREE: **1h10 - 1h45**
THICKNESS: **8-10 mils**

### OPTION FOR ADDITIONAL PROTECTION

**LABFENDER™**
with Aluminum Oxide 240
Moisture-Cured Aliphatic Polyurethane

TACK-FREE: **3 - 4h**
THICKNESS: **3 mils**

## SYSTEM TECHNICAL PROPERTIES

22°C / 72°F and 50% Rel. Hum.

| | 3-COAT | + LABFENDER |
|---|---|---|
| ASTM D2370 **Tensile Strength** | 1800 psi | 1800 psi |
| ASTM D695 **Compression Strength** | 3300 psi | 3300 psi |
| ASTM D4060 **Abrasion Resistance (Taber)** | 35 mg | TBD |
| ASTMD4541 **Coefficient of Friction** | 1.5 | TBD |
| **Scratch Appearance** | Better | Best |

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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## A UNIQUE CHARACTER TO EACH PROJECT

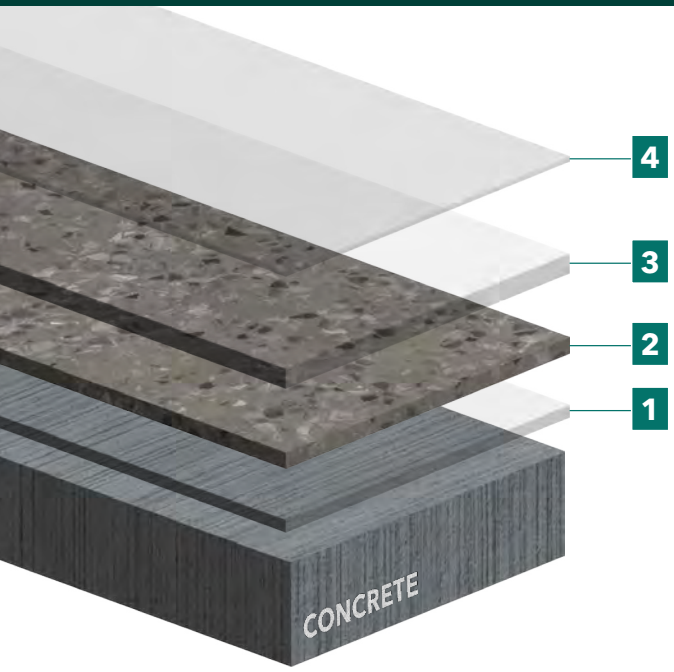
LABTEC Vinyl Chips are popular choices among architects, designers, contractors and consumers. Their unique properties allow for full customization with a wide range of color styles, textures, sizes and blending options.

## USES

+ Dining areas
+ Serving lines
+ Food preparation zones
+ Dishwashing areas
+ Breakrooms
+ Storage areas

# LABFLAKE 4E

## 4-coat Epoxy Flake Flooring System




**LABFLAKE 4E** is a 4-coat epoxy flake flooring system installed at 24–33 mils, engineered for long-term durability, UV resistance, and high scratch resistance. Using premium LABPOX™ resins, it provides a seamless, hygienic, and easy-to-clean surface ideal for cafeteria and commercial kitchen environments.

## ADVANTAGES

+ **Enhanced UV Resistance:** The advanced LABPOX® 40 UV formulation provides **improved UV resistance**, preserving the aesthetic appearance over time.
+ **Surface Durability:** The LABFENDER™ topcoat offers **high scratch and abrasion resistance,** ideal for areas with heavy foot traffic and carts.
+ **Chemical Resistance:** LABFENDER™ offers **strong protection against exposure to cleaning agents, sanitizers, grease, and other chemicals** commonly used in cafeteria maintenance.

## SYSTEM TECHNICAL PROPERTIES

22°C / 72°F and 50% Rel. Hum.

| | |
|---|---|
| ASTM D2370 **Tensile Strength** | 3500 psi |
| ASTM D695 **Compression Strength** | 8700 psi |
| ASTM D4060 **Abrasion Resistance (Taber)** | 20 mg |
| ASTMD4541 **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.

### 1- PRIMER

**LABPOX® PRIMER**
VOC-Free Epoxy Primer

THICKNESS: **6-8 mils**

### 2- BASE COAT

**LABPOX® 30**
Pre-tinted with Flakes
100% Solids, High-Performance Epoxy

THICKNESS: **8-10 mils**

### 3- GROUT COAT

**LABPOX® 40 UV** Clear
100% Solids, High-Performance Epoxy
Providing a Superior UV Resistance

THICKNESS: **10-12 mils**

### 4- TOPCOAT

**LABFENDER™**
with Aluminum Oxide 240
Moisture-Cured Aliphatic Polyurethane

THICKNESS: **3 mils**

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**WIDE SELECTION OF DECORATIVE FLAKES:**

Including terrazzo-style and marble look options suitable for modern cafeteria aesthetics.

Signature 1/4" LABTEC Chips

Signature 1/16" LABTEC Chips

Terrazo LABTEC Chips **Flooded**

## LABSURFACE:

# Elevating standards in coating solutions since 1995

At Labsurface, our flooring systems combine exceptional performance, durability, and constant innovation to meet the demanding requirements of cafeterias, dining areas, and commercial food-operations facilities. Our R&D department, the cornerstone of our success, empowers us to deliver tailored solutions for environmentally conscious projects while maintaining the highest standards of quality and functionality.

## EXPERTISE & DEDICATION

Labsurface is more than a manufacturer; we are architects of innovation. Our team, comprising over 50 dedicated individuals, brings centuries of collective experience in research & development and technical knowledge. This wealth of expertise ensures the optimal quality of our products, meticulously crafted from production to the final stages of our rigorous quality control process.

## CONTINUOUS INNOVATION

In our quest to stay at the forefront of technological innovation, Labsurface invests significantly in R&D. Our premium-quality epoxy, polyurethane, and polyaspartic coatings boast unique mechanical and chemical properties, transforming the work routines of flooring professionals. The absence or low levels of volatile organic compounds (VOCs) in most of our product lines make them ideal for environmentally conscious cafeteria projects, including those seeking LEED certification.

## 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, our goal is to ensure the success of every project.

**From cafeterias to commercial dining facilities, Labsurface systems are trusted for their performance, flexibility, and innovative edge.**

**Elevate your cafeteria environment with Labsurface expertise.**

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