



# Chemical Resistant Laminates



**Engineered for Demanding Environments**



bios.global

Building Interiors  
Outdoors System

# Product Overview & Key Features

## The Ultimate Shield Against Aggressive Chemicals

Our chemical resistant laminates are specialized HPL variants specifically formulated to withstand aggressive chemicals and reagents. They are an indispensable solution in environments where chemical spills are a constant risk.

### Standard Specifications:

**Thickness:** Typically 0.7mm to 1.0mm.

**Sizes:** Standard HPL sheet sizes apply.

### Key Features:

**Superior Chemical Resistance:** Provides exceptional protection against a wide range of corrosive chemicals, acids, and solvents.

**Durability & Hygiene:** Retains the high scratch and impact resistance of standard HPL, with a non-porous, easy-to-clean surface.

**Color Stability:** Maintains its color and appearance even after exposure to harsh substances.

# Technical Specifications & Performance

## Chemical Resistance Data

Our laminates are thoroughly tested to demonstrate their resistance to a comprehensive list of common and specialized chemicals.

<b>Technical Property</b>	<b>Standard (e.g., NEMA LD 3)</b>	<b>Performance</b>
Chemical Resistance	EN 438-2, Test 11	Provides exceptional protection against a wide range of corrosive chemicals, acids, and solvents.
Stain Resistance	NEMA LD 3, Test 3.4	Excellent resistance to staining from common substances.
Durability	EN 438-2	Retains the high scratch and impact resistance of standard HPL.

# Key Applications

## Laboratory Worksurfaces:

Essential for chemical laboratories and research facilities.



## Healthcare Facilities:

Used in hospitals and pharmacies for countertops.



## Industrial Workbenches:

Ideal for manufacturing areas with chemical exposure.



# Installation & Care Guide

## Installation & Maintenance for Chemical Environments

Proper installation and care are essential to ensure the chemical resistance of the entire worksurface assembly.

### **Installation:**

Follow the same guidelines as for standard HPL, ensuring a balanced construction with a backer laminate.

Use chemical-resistant adhesives and sealants for joints and edges to prevent chemical penetration.

### **Care & Maintenance:**

For chemical spills, wipe immediately with a clean cloth.

Clean with a mild detergent and water.

For persistent stains, a mild solvent may be used, but always follow safety protocols and rinse thoroughly.

**Warning:** Do not use abrasive cleaners or scourers, as they can compromise the surface's chemical resistance.

### **Safety:**

Always wear appropriate personal protective equipment (PPE) when handling chemicals, even on resistant surfaces.



# Chemical Resistant Laminates



**Engineered for Demanding Environments**



bios.global

Building Interiors  
Outdoors System