

**Manufacturer**

Arborite  
385 Lafleur, Lasalle (Québec), H8R 3H7  
Web site : [www.arborite.com](http://www.arborite.com) - Phone: 1-800-996-0366  
Alternate manufacturing facility – Fletcher, NC

**Product Description**

ArboChem is a high-pressure laminate and a solid composite engineered for surfaces commonly exposed to acids, solvents, general reagents and cleaning agents. Certified as an “anti-static protective material” by the American Society for Testing and Materials (ASTM D257-78), ArboChem is suitable for laboratory work surfaces, fume hood decks, fume hood liner panels, pegboards (drying racks), reagent racks, commercial countertops, cabinet drawer fronts, locker drawers, shelving, window sills, toilet partitions, and decorative casework components.

ArboChem laminate is available in postforming grade (AC40 - 0.034”/1.0 mm) and in 5 compact laminate grades.

**Coordinated Products**

ArboChem products can be color-coordinated with Arborite compact grade and Arborite thin grade laminates. Please note that the technology used in the manufacture of ArboChem results in a mild color differentiation between ArboChem and Arborite Compact Laminates and thin grade laminates. To facilitate color-coordination, custom samples are available. Send requests to [samples@arborite.com](mailto:samples@arborite.com), or call 1-800-361-8712. You may also contact your local sales representative.

**Color Availability**

P500	P885	P886	P887	P999	S405	S406	S407	S431	S463
S466	S486	S513	S548	S550	W403	W405			

**ArboChem Postforming Thickness**

Product Type	Imperial Measure (In.)	Metric Measure (Mm)
AC40	0.034” ± 0.005”	0.86 mm ± 0.012”

**Standard Panel Size for ArboChem Postforming Laminates**

Imperial Measure (feet)	Metric measure (mm)
4' x 8'	1220 mm x 2440 mm
5' x 10'	1525 mm x 3050 mm
5' x 12'	1525 mm x 3660 mm

**ArboChem Surface Texture**

Texture	Surface Gloss Value
Matte (MA) Finish –a fine beaded texture with a slight sheen	14-18

**ArboChem Compact Thickness\***

Product Type	Imperial Measure (In.)	Metric Measure (Mm)	Thickness Tolerance	Lbs/ Sq.Ft	Description
S013-LAB (1/8")	0.125"	3.2 mm	± 0.012"	0.895	Double Faced
S025-LAB (1/4")	0.250"	6.4 mm	± 0.0125"	1.81	Double Faced
S050-LAB (1/2")	0.500"	12.7 mm	± 0.025"	3.62	Double Faced
S075-LAB (3/4")	0.750"	19.0 mm	± 0.037"	5.40	Double Faced
S100-LAB (1")	1.00"	25.4 mm	± 0.050"	7.24	Double Faced

\* Thickness tolerance according to NEMA LD3-2005 for Compact Laminate grade (CGS)

**Standard Panel Sizes for ArboChem Compact Laminates**

Imperial Measure (feet)	Metric measure (mm)
4' x 8'	1220 mm x 2440 mm
5' x 10'	1525 mm x 3050 mm
5' x 12'	1525 mm x 3660 mm

**ArboChem Compact Laminates Texture Availability**

Texture	Surface Gloss Value
Matte (MA) Finish –a fine beaded texture with a slight sheen	14-18

**ArboChem Compact Laminates Color Availability**

P500	P885	P886	P887	P999	S405	S406	S407	S431	S463
S466	S486	S513	S548	S550	W403	W405			

## **Arborite ArboChem Laminate - Chemical Reagent Staining Effect**

### **Acids:**

Acetic Acid (all concentrations)  
Aqua Regia \*\*  
Chromic Trioxide (Chromic Acid Cleaning Solution)\*  
Formic Acid (all concentrations) \*  
Glacial Acetic Acid 99% (concentrated)  
Hydrochloric Acid (all concentrations)  
Hydrofluoric Acid 48% (concentrated) \*  
Nitric Acid (all concentrations) \*\*  
Perchloric Acid (concentrated)  
Phosphoric Acid (all concentrations)  
Picric Acid 1.2% (0.05M)  
Sulfuric Acid (all concentrations) \*\*  
Tannic Acid (sat.)  
Uric Acid (sat.)

### **Solvents:**

Acetone  
Amyl Acetate  
Amyl Alcohol  
Butyl Alcohol  
Carbon Disulfide  
Carbon Tetrachloride  
Chlorobenzene  
Chloroform  
Cresol  
Dimethyl formamide  
Dioxane  
EDTA  
Ethyl Acetate  
Ethyl Alcohol  
Formaldehyde  
Methanol  
Methyl Ethyl Ketone  
Methylene Chloride  
Naphthalene  
nHexane  
Phenol (all concentrations)\*  
Tetrahydrofuran

Toluene  
Trichloroethane  
Xylene

### **Bases:**

Ammonium Hydroxide (all concentrations)  
Sodium Hydroxide (all concentrations) \*\*

Sodium Sulfide 15%

### **General Reagents:**

Alconox (Lab. Detergent)  
Aluminon  
Ammonium Phosphate  
Aromatic Ammonia  
Benedicts Solution  
Blood  
Calcium Hypochlorite (concentrated)  
Camphorated parachlorophenol \*  
Cellosolve  
Coffee, black  
Copper Sulfate  
Ether, 1:20  
Ethylene Glycol  
Eucalyptol  
Formalin  
Gasoline  
Hydrogen Peroxide 3%  
Iodine  
Karl Fisher Reagent  
Kerosene  
Lactated Ringers  
Lysol™  
Methyl Methacrylate  
Milk, homogenized  
Mineral Oil  
Monsel's Solution (Ferric Sub sulfate)  
Naphtha  
Orange juice  
Petroleum Jelly  
Phosphate Buffered Saline (PBS)

Pine Oil  
Potassium Permanganate  
Povidone Iodine  
Procaine  
Quaternary Ammonia Compounds  
Silver Nitrate  
Sodium Azide  
Sodium Chromate  
Sodium Hypochlorite 5%  
Sodium Thiocyanate  
Sucrose 50%  
Thymol & Alcohol  
Tide™  
Tincture of Iodine  
Tincture of Mercurochrome  
Tincture of Merthiolate  
Trisodium Phosphate 30%  
Urea  
Vegetable Oil  
Vinegar  
Water  
Zephiran Chloride  
Zinc Chloride  
Zinc Oxide Ointment

### **Stains and Indicators:**

Ag Eosin Bluish 5% in Alcohol  
Bromothymol Blue  
Cresol Red  
Crystal Violet  
Gentian Violet 1%  
Gram Stains  
Malachite Green  
Methyl Orange  
Methyl Red  
Methylene Blue  
Nigrosine (India Ink)  
Phenolphthalein  
Safranin O  
Sudan III  
Thymol Blue  
Wright's Blood St

\* Causes slight change of gloss or color.

\*\* Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Other items leave no effect

*Test procedure: Listed materials were placed in contact with Arborite ArboChem surface under 1" (25.4mm) diameter watch cover glass for 16-24 hours duration prior to evaluation for effect. The effects of staining are color and pattern dependent. Request a sample for evaluation and chemical resistance testing*

## Limitations

Arborite ArboChem panels offer special protection for all kinds of laboratory work surfaces. However, no one material is suitable for all possible conditions; its properties should be checked for suitability under the specific conditions of each installation. The information provided herein is not intended for or to guarantee specific properties.

## Care and Maintenance

To clean solid grade laminate surfaces, simply wipe with a soft damp cloth and mild detergent; then rinse thoroughly with warm water and wipe dry. For stubborn stains, use an all-purpose cleaner, with a damp cloth; then rinse thoroughly with warm water and wipe dry.

For really tough stains, create a paste composed of baking soda and water. Using a soft brush, scrub gently in a circular motion - 10 to 20 strokes should remove most stains; then rinse thoroughly with warm water and wipe dry. Keep in mind that excessive scrubbing can dull or damage the finish.

## Warranty

Arborite, division of ITW Canada, warrants that, under normal use and service, the material and workmanship of its products shall conform to the standards set forth on the applicable technical data sheets for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers and distributors are provided with the technical data sheets which contain specific standards of performance for the products. In the event that an Arborite product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product which is defective, at the manufacturer's sole discretion.

This warranty applies only to product :

1. In its original installation; and
2. Purchased by the first consumer purchaser.

This warranty is not transferable, and expires upon resale or transfer by the first consumer purchaser.

This warranty shall not apply to defects or damage arising from any of the following :

1. Accidents, abuse or misuse;
2. Exposure to extreme temperature;
3. Improper fabrication or installation; or
4. Improper maintenance.

**NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE. UNDER NO CIRCUMSTANCES SHALL THE MANUFACTURER BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THIS PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. NO FABRICATOR, INSTALLER, DEALER, AGENT OR EMPLOYEE OF ARBORITE, A DIVISION OF ITW CANADA, HAS THE AUTHORITY TO MODIFY THE OBLIGATIONS OR LIMITATION OF THIS WARRANTY.**

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state; therefore, some of the limitations stated above may not apply to you. It is to your benefit to save your documentation upon purchase of a product.

**Specification Form:**

Surface shall be Arborite ArboChem Postforming Laminate

Produced by Arborite,

Type: AC40 (0,034")

Surface

Color Number: \_\_\_\_\_

Color Name: \_\_\_\_\_

Finish

Code: \_\_\_\_\_

Name: \_\_\_\_\_

**Specification Form:**

Surface shall be Arborite ArboChem Compact Laminate

Produced by Arborite,

Type: S013-LAB (1/8"), S025-LAB (1/4"), S050-LAB (1/2"), S075-LAB (3/4"), S100-LAB (1")

Surface

Color Number: \_\_\_\_\_

Color Name: \_\_\_\_\_

Finish

Code: \_\_\_\_\_

Name: \_\_\_\_\_