

Manufacturer

Arborite
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Product Description

Recommended Usage

Arborite ColorEdge is suitable for interior applications such as fine quality contract furniture, fixtures, casework, and also for architectural application on interior doors, and divider systems.

Arborite ColorEdge laminate, **Type CE5** is designed for both horizontal and vertical applications where the surface must be functional, durable, high-quality, and resistant to scuff, scratch and stain.

Product Composition

ColorEdge is a distinctive surfacing material composed of decorative papers impregnated with melamine resins pressed over a white decor paper core impregnated with special thermosetting resins. These sheets are then bonded at pressures and temperatures similar to HPL. Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

ColorEdge is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. Is not a structural material and must be bonded to a suitable substrate.

Do not subject Arborite ColorEdge to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

Patterns, Colors & Textures availability

Arborite ColorEdge is available in a partial range of Arborite solid colors, patterns and textures.

- S405 Black CA finish
- S405 Black GL finish
- S405 Black SR finish
- S550 Elegant White CA finish
- S550 Elegant White GL finish
- S550 Elegant White SR finish
- P391 Ruched Chiffon GL finish

Available textures:

CA - Cashmere finish – a fine, matte texture finish for laminate with a slight sheen. Excellent for both horizontal and vertical applications.

GL - Gloss finish – a flat texture with a high sheen, for an appealing, contemporary laminate look. Excellent for vertical application.

SR – Structured finish - A highly embossed linear texture suitable for woodgrains, solids and linear patterns.

Arborite ColorEdge Standard Sheet Size

Imperial Measure (feet)	Metric measure (mm)
4' x 8'	1232 mm x 2451 mm
4' x 10'	1232 mm x 3062 mm

Arborite ColorEdge Standard Sheet Thickness and Weight

Description	Type CE5
Thickness	0.048" ± 0.005" (1.22 mm ± 0.13 mm)
Weight per square foot	0.382#

Physical Properties

NEMA Test	Typical Arborite ColorEdge Product – Type CE5	NEMA Standard HGS
Thickness	0.048" ± 0.005" (1.22 mm ± 0.13 mm)	0.048" ± 0.005" (1.2 mm ± 0.13 mm)
Appearance	No ABC def.	No ABC def.
Cleanability (cycles)	10	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	No effect No effect	No effect Moderate effect
Boiling Water Resistance	No effect	No effect
High Temperature Resistance	No effect	Slight effect
Impact Resistance	>51" (1270 mm)	50" (1270mm)
Radiant Heat Resistance	150 seconds	125 sec. (min.)
Dimensional Stability Machine Direction Cross Direction	0.5% 0.8%	0.5% 0.9%
Surface Wear Resistance (cycles)	Exceeds 400	400 cycles (min.)
Blistering	Not applicable	Not applicable

Certifications

Arborite Color**Edge** laminates meet or exceed standard tests set by:

- The American National Standards Institute/The National Electrical Manufacturers Association “ANSI/NEMA LD3-2005”, for performance properties and appearance.

The purpose of this Standards Publication is to provide standard test methods and performance values for high-pressure decorative laminates.

- Arborite is certified ISO 9001:2008 Quality Management System.
- Arborite is a member of the USGBC (US Green Building Council).
- Arborite is a member of the CaGBC (Canada Green Building Council).

FSC® Certification

Arborite products are available as FSC® Mix Credit (please contact our customer service department for availability).

FSC® trademark license code: FSC-C102327

Antimicrobial Activity and Efficacy

Arborite Color**Edge** laminates have a non porous surface that does not promote bacterial growth. Tested under method JIS Z2801:2000 (E) for antimicrobial activity and efficacy, our laminate surface exhibited strong biocidal properties, with a reduction of 99.99% of the tested bacteria (S.aureus).

Installation: Fabrication and Assembly Recommendations

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and “Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program” guidelines of the Architectural Woodwork Institute where applicable.

Color**Edge** laminates must be bonded to substrates of reliable quality, industrial 45# density particleboard or medium density fiberboard (MDF) is recommended. High pressure laminate, plaster, concrete, gypsum boards and plywood should not be considered and are not warranted, suitable substrates. Color**Edge** laminates may not be used as structural member.

Arborite Color**Edge** has a color through core and does not have dark edges to conceal the glue line. Recommended adhesives are non-pigmented rigid set polyvinyl acetate (PVA) and non-pigmented contact types. A variety of non-pigmented PVA options and non-pigmented contact adhesives to meet the variety of bonding applications are available. Be sure to follow adhesive manufacturer recommendations.

Utilization of a balancing sheet opposite of the Color**Edge** material is required in most applications. For best results, use of Color**Edge** on both sides of the panel will provide a well-balanced panel. For ideal application, the same type of adhesive, the same coverage on both sides, and the Color**Edge** sanding marks assembled in the same direction will provide a quality assembly.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175 mm) radius and all edges should be routed smooth.

Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate

Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for a minimum 48 hours, before fabrication.

Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

Type CE5 is recommended for flat surfaces only. Do not use in post forming equipment or applications.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed rate are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration is recommended.

Care & Maintenance

To clean Arborite 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. For additional care and maintenance tips, please visit our web site at <http://www.arborite.com/us/HPL-Technical-Information>, HPL Care & Maintenance.

Warranty

Arborite, division of Wilsonart Canada ULC, warrants that, under normal use and service, Arborite ColorEdge laminate 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 WILSONART CANADA ULC, 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 Color**Edge** Laminate

Produced by Arborite

Type:CE5 – 0.048” (1.22 mm)

Surface:

Color Number: _____

Color Name: _____

Finish

Code: _____

Name: _____