

COLORCORE®2 LAMINATE BY FORMICA GROUP



TECHNICAL DATA

RECOMMENDED APPLICATION

ColorCore®2 by Formica Group, Grade CC/Matte (-58), Gloss (-90), Formica Infiniti (-AN), Plex (-PX), Natural Grain (-NG), Grade CD/Matte (-58), a unique surfacing material having the same color throughout, are intended for application to interior vertical or horizontal surfaces where design, appearance, quality, durability and resistance to stain and heat from ordinary sources are required.

PRODUCT GRADE DESCRIPTION

CC – High Pressure ColorCore®2 (Standard grade)

CD – High Pressure ColorCore®2 (Standard grade)

PRODUCT DESCRIPTION

Melamine-impregnated decorative surface papers are combined with specially formulated resin-treated kraft paper and consolidated in a press at high pressures. The sheet back is sanded to maintain a uniform thickness and facilitate bonding.

ColorCore®2 by Formica Group is made of different resin, which causes a slightly different hue from its corresponding standard High-Pressure Laminate (HPL). This color difference does not constitute a defect. Standard HPL and ColorCore®2, are considered to be coordinating rather than exact matches to each other.

ColorCore®2 by Formica Group is available as Formica Infiniti® ColorCore®2 with attributes such as a soft-to-the-touch, super matte finish, fingerprint resistance and built-in antimicrobial surface protection.

ColorCore®2 by Formica Group is available as Formica ColorCore®2 Compact with three solid core colors- 969 Navy Blue, 8751 Mojave and 928 Mouse. Please refer to the *Compact Technical Guide* for more information regarding this product.

FABRICATION AND ASSEMBLY

LIMITATIONS

ColorCore®2 by Formica Group are designed for interior use only. Do not adhere directly to plywood, plaster, drywall (gypsum board) or concrete. Do not use in areas exposed to temperatures exceeding 275°F (135°C), or for exterior applications. This product is not postformable.

STORAGE

ColorCore®2 by Formica Group sheets should be stored horizontally, with the top sheet turned face down and a caul board placed on top to protect the material from possible damage and reduce the chance of warpage of the top sheets. ColorCore®2 laminate sheets should be protected from moisture and should never be stored in contact with the floor or outside wall. Optimum conditions for storage are approximately 75°F (24°C), and 45% to 55% relative humidity.

PRECONDITIONING

Prior to fabrication, allow ColorCore®2 by Formica Group sheets and the substrates to acclimate for at least 48 hours at the same ambient conditions. Optimum conditions are approximately 75°F (24°C) and relative humidity of 45% to 55%. Provisions should be made for the circulation of air around the components.

SUBSTRATES

ColorCore®2 by Formica Group sheets should be bonded to an appropriate substrate, such as Medium Density Fiberboard (MDF) or a #45 density particleboard (CS 236-66: Type 1, Grade B, Class 2). Plywoods are not acceptable or warranted substrates for ColorCore®2 laminate application. All substrates should be sanded smooth, clean, free of oil or grease and uniform in thickness.

ADHESIVES

ColorCore®2 by Formica Group sheets do not have dark edges to mask the adhesive line. For best results, use semi-rigid (PVAc) or nonpigmented contact adhesives, such as Formica® brand adhesive #140 or #100 natural brush grade or #125 or #151 spray grade. Resorcinols, pigmented contacts and dark-colored urea adhesives tend to leave a noticeable adhesive line and should be avoided. Follow the adhesive manufacturer's recommendations. Certain combinations of finish, substrates and adhesives can cause telegraphing.

ASSEMBLY

Material, equipment and workmanship should conform to Formica Corporation standard practices, conditions, procedures and recommendations as specified and outlined in the *ColorCore®2 by Formica Group Fabrication Guide*, which is available on the Formica Corporation website. Panel assemblies should be laminated with a suitable backing sheet to minimize warpage (use ColorCore®2 laminate as a balancing sheet on door applications). Always align sanding marks in the same direction. ColorCore®2 by Formica Group sheets can be sawed, drilled, routed and fabricated using standard carbide-tipped cutting tools.

All inside corners of cutouts must be radiused as large as possible (1/8" (3.18 mm) minimum) to avoid stress cracking. The edges and corners should be routed, sanded or filed smooth and free of chips or nicks.

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Performance compliance for ColorCore®2 by Formica Group Grade CC:

ANSI/NEMA STANDARDS PUBLICATION - LD3-2005

PHYSICAL PROPERTIES	LD3 TEST	COLORCORE®2/MATTE (58), GLOSS (90)
Appearance	3.1	No ABC Defects
Light Resistance	3.3	Moderate
Cleanability	3.4	20 (maximum)
Stain Resistance Reagents 1-10 Reagents 11-15	3.4	No Effect Moderate
Boiling Water Resistance	3.5	No Effect
High Temperature Resistance	3.6	Slight
Ball Impact Resistance - inches - mm	3.8	>20 500 (minimum)
Radiant Heat Resistance – seconds	3.10	135 (minimum)
Dimensional Change Machine Direction - % Cross Direction - %	3.11	0.50 (maximum) 0.90 (maximum)

CODES AND SPECIFICATIONS

ColorCore®2 Laminate Matte Finish (-58), Gloss Finish (-90), Plex Finish (-PX), Natural Grain Finish (-NG) and Formica Infiniti (-AN)

- U.S. Federal Mobile Home Construction and Safety Standard, Part II, 3280.23(a)
- U.S. Federal Motor Vehicle Safety Standard, No. 302
- NSF International Standard 35 for work contact surfaces, non-work contact surfaces and splash zones

GRADES, FINISHES AND SIZES

GRADE CC AND CD

Matte Finish (-58): A non-directional, shallow surface finish that is smooth to the touch and generally provides a light, warm and pleasing effect. Recommended for vertical or horizontal use.

Gloss Finish (-90): A high-gloss finish, ideal for any application that requires maximum smoothness and reflectance. Recommended for vertical or horizontal use.

Plex Finish (-PX): A small scale, versatile finish that impresses with its weaved textile feel, crisp touch and low gloss sheen. Recommended for horizontal and vertical interior applications. Available in 949C White and 7223C New White only.

Natural Grain Finish (-NG): An even textured woodgrain finish featuring a low luster, medium pore design. Recommended for horizontal and vertical interior applications. Available in 949C White and 7223C New White only.

Formica Infiniti (-AN): A soft-to-the-touch super matte finish that resists fingerprints, has thermal healing capabilities and built-in antimicrobial surface protection. Available on select colors.

Grades: (Thickness) 0.034" ± 0.004" (0.86mm ± 0.127mm)

Sizes: 48" (121.9cm) x 120" (304.8cm)

Sizes: 48" (121.9cm) x 96" (243.8cm)

HOW TO SPECIFY

Surface shall be ColorCore®2 Solid Color Laminates produced by Formica Corporation (or an affiliate with the specifications of Formica Corporation), Cincinnati, Ohio.

COLOR NUMBER

COLOR NAME

GRADE

CC + CD

FINISH

USE AND CARE

ColorCore®2 by Formica Group sheets may be cleaned with a clean, non-abrasive, damp cotton cloth and a mild liquid detergent or household cleaner. If in doubt about the suitability of a particular cleaner or detergent, check with its manufacturer.

Use of abrasive cleaners, powders, scouring pads, steel wool, sandpaper, etc., can damage laminates and make them susceptible to staining. Ceramics, including unglazed materials and other abrasive objects, can cause scratching and premature wear do not slide these items across surface.

Acid or alkaline-based cleaners, compounds, etc., will mar, etch, corrode and permanently discolor laminates. Never use these materials on laminates, nor allow bottles, rags, etc., contaminated with them to contact laminate surfaces. Accidental spills or splatters from these harsh materials should be wiped off immediately, and the area rinsed thoroughly with water.

Examples of these materials are:

drain cleaners

rust removers

coffeepot cleaners

metal cleaners ceramic

cooktop cleaners

tub and tile cleaners

oven cleaners

toilet bowl cleaners



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DISINFECTING RECOMMENDATIONS

The following branded cleaners and disinfectants are approved for ColorCore®2 when used according to recommended guidelines. The products are grouped by active ingredient type. All products on these lists meet the EPA's criteria for use against SARS-CoV-2, the virus that causes COVID-19. To avoid surface damage or discoloration, wipe the surface clean to avoid leaving disinfecting liquid open on the surface. It is also recommended to follow disinfecting with a warm water wash using a soft cloth and then dry the surface. Always follow the manufacturers' guidelines and safety precautions for these products.

For EPA updates on the current List N and Frequently Asked Questions about disinfectants related to coronavirus visit:

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

QUATERNARY AMMONIUM

Clorox® Disinfecting Wipes
 Clorox Healthcare® VersaSure® Wipes
 Lysol® Brand All Purpose Cleaner
 Lysol® Kitchen Pro Antibacterial Cleaner
 Virex™ II
 Fantastik® Multi-Surface Disinfectant Degreaser
 Maquats®

QUATERNARY AMMONIUM: ISOPROPANOL

Super Sani-Cloth® Germicidal Disposable Wipe
 Cavicide™ Wipes
 Sani-Prime® Germicidal Spray
 Opti-Cide3® Wipes

ISOPROPANOL, IPA, RUBBING ALCOHOL

SODIUM HYPOCHLORITE (BLEACH)

Clorox Healthcare® Bleach Germicidal Wipes
 Clorox® Brand Regular Bleach
 Sani-Cloth® Bleach Germicidal Wipe
 Caviwipes™ Bleach
 Dispatch®
 Lysol® Brand Bleach Mold/Mildew Remover
 All related brands containing bleach

HYDROGEN PEROXIDE

Clorox® Commercial Solutions® Hydrogen Peroxide Disinfectant and wipes
 Oxivir™ Tb and wipes
 AcceI® TB and wipes
 Peroxide Multi Surface Cleaner and Disinfectant
 Suretouch®
 Oxy-Team™ Disinfectant Cleaner

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LIMITED WARRANTY

Formica Corporation expressly warrants that, for a period of one (1) year from the date of first sale, ColorCore®2 by Formica Group will be reasonably free of defects in materials and workmanship, and that when properly handled and fabricated, will conform, within accepted tolerance, to applicable manufacturing specifications. Colors subject to dye lot variations. This limited warranty only applies to ColorCore®2 by Formica Group, which is stored, handled, fabricated and installed in the manner recommended by *ColorCore®2 by Formica Group Fabrication Guide*. A copy may be obtained from any authorized distributor of Formica® Brand Products or by calling 1-800-FORMICA™. Due to the variety of uses and applications to which ColorCore®2 by Formica Group may be put, FORMICA CORPORATION CAN MAKE NO WARRANTY THAT THIS PRODUCT IS SUITABLE FOR ANY PARTICULAR PURPOSE AND CAN MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE SET FORTH ABOVE.

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LIMITATION OF LIABILITY

No claim by buyer of any kind, including claims for indemnification, whether as to quality or amount of products delivered or for non-delivery of products, shall be greater in amount than the purchase price of the products in respect of which damages are claimed. IN NO EVENT SHALL FORMICA CORPORATION BE LIABLE TO BUYER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, RELIANCE, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OR COVER, OR LOSS OF PROFIT, REVENUE OR USE, IN CONNECTION WITH, ARISING OUT OF, OR AS A RESULT OF, THE SALE, DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS SOLD HEREUNDER, OR FOR ANY LIABILITY OF BUYER TO ANY THIRD PARTY WITH RESPECT THERETO. BUYER SHALL INSPECT FOR NONCONFORMITY PROMPTLY UPON RECEIPT. Failure by buyer to give Formica Corporation written notice of claim within 30 days from date of delivery or, in the case of non-delivery from the date fixed for delivery, shall constitute a waiver by buyer of all claims in respect of such products.

This limited warranty gives purchaser of Formica® Brand Laminate specific legal rights. Other rights may be available and vary from state to state.

Any information or suggestion concerning application, specifications or compliances with codes and standards is provided solely for your convenient reference and without any representation as to accuracy or suitability. Formica Corporation disclaims any legal responsibility. The user must verify and test the suitability of any information or products for their own particular purpose of specific application.

MANUFACTURER

Formica® Brand Laminate sheets are manufactured by Formica Corporation.

TECHNICAL SERVICES

Technical assistance may be obtained through your local Formica® Brand Products Distributor or from Formica Corporation trained representatives in sales offices throughout the country. To assist these representatives, Formica Corporation maintains a sales and technical services staff in Cincinnati, Ohio. For technical assistance, contact your distributor or sales representative; write the company directly at Formica Corporation Technical Services Department, 10155 Reading Road, Cincinnati, OH, 45241; call (513) 786-3578 or 1-800-FORMICA™; or fax (513) 786-3195. In Canada, call 1-800-363-1405. In Mexico, call (525) 530-3135.

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