

ColorCore[®]2[™] *by* FORMICA[®]

SOLID COLOR LAMINATES

TECHNICAL DATA

RECOMMENDED APPLICATION

ColorCore2 by Formica, Solid Color Laminates, Grade CC/HCP, Velour (FV) and MicroDot (MC), a unique surfacing material having the same color throughout, is intended for application to interior horizontal or vertical surfaces where design, appearance, quality, durability, and resistance to stain and heat from ordinary sources are required.

ColorCore2 by Formica, Solid Color Laminates, Grade CC/HCS, Polished (-90), a unique surfacing material having the same color throughout, is intended for application to interior vertical or light duty horizontal surfaces where design, appearance, quality, durability, and resistance to stain and heat from ordinary sources are required. *Grade CC, Polished finish is not recommended for postforming.*

Product Grade Description

HCP – High Pressure ColorCore2 (Postforming grade)

HCS – High Pressure ColorCore2 (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.

ColorCore2 by Formica, Solid Color Laminates are 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 ColorCore2 by Formica, Solid Color Laminates are considered to be ***coordinating*** rather than exact matches to each other.

FABRICATION AND ASSEMBLY

Limitations

ColorCore2 by Formica, Solid Color Laminates 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.

Storage

ColorCore2 by Formica, Solid Color Laminates, 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. ColorCore2 by Formica 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 ColorCore2 by Formica, Solid Color Laminates, 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 at a relative humidity of 45% to 55%. Provisions should be made for the circulation of air around the components.

Substrates

ColorCore2 by Formica, Solid Color Laminates, 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 ColorCore2 by Formica application. All substrates should be sanded smooth, clean, free of oil or grease, and uniform in thickness.

Adhesives

ColorCore2 by Formica, Solid Color Laminates, 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[®] Fabrication Guide*, which is available on the Formica Corporation website. Panel assemblies should be laminated with a suitable backing sheet to minimize warpage (use ColorCore2 by Formica as a balancing sheet on door applications). Always align sanding marks in the same direction.

ColorCore2 by Formica, Solid Color Laminates, 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.

TECHNICAL DATA

Performance compliance for ColorCore2 by Formica, Solid Color Laminates, Grades HCP and HCS:

ANSI/NEMA Standards Publication - LD3-2005

PRIVATE			
Physical Properties	LD3 Test	ColorCore® 2/HCP Velour (FV), Micro (MC) Finish	NEMA Standard
Appearance	3.1	No ABC Defects	No ABC Defects
Light Resistance	3.3	Moderate	Moderate
Cleanability	3.4	20 (maximum)	20 (maximum)
Stain Resistance Reagents 1-10 Reagents 11-15	3.4	No Effect Moderate	No Effect Moderate
Boiling Water Resistance	3.5	No Effect	No Effect
High Temperature Resistance	3.6	Slight	Slight)
Ball Impact Resistance - inches - mm	3.8	>20 500 (minimum)	>20 500 (minimum)
Radiant Heat Resistance - seconds	3.10	135 (minimum)	120 (minimum)
Dimensional Change Machine Direction - % Cross Direction - %	3.11	0.50 (maximum) 0.90 (maximum)	0.50 (minimum) 0.90 (minimum)
Wear Resistance - Cycles	3.13	>3000	>3000
Formability - inches (MD) - mm (MD)	3.14	5/8 16	NA
Bilister Resistance - sec	3.15	52	NA

CODES AND SPECIFICATIONS

ColorCore2 by Formica Velour Finish (FV) and MicroDot Finish (MC)

- 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

ColorCore2 by Formica Polished Finish (-90)

- 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 surfaces and splash zones

GRADES, FINISHES AND SIZES

Grade HCP and HCS

Velour Finish (FV): A non-directional, shallow surface finish that is smooth to the touch and generally provides a low level of light, warm and pleasing effect.

MicroDot Finish (MC): A low-sheen finish with subtle concave circles arranged in a tight grid formation.

Polished Finish (-90): A high-gloss finish, ideal for any application which requires maximum smoothness and reflectance. Recommended for vertical or light-duty horizontal use. Not recommended for heavy-duty horizontal applications such as countertops.

Grades: (Thickness) 0.040" ± 0.005"
(1.02mm ± 0.12mm)

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

COLORS

ColorCore2 by Formica (CC) is available in Velour Finish (FV), in the following 12 solid colors:

845 Spectrum Red	933 Mission White
851 Spectrum Blue	961 Fog
909 Black	2273 Seringa
923 Surf	4177 Lime
927 Folkstone	7223 New White
932 Antique White	7940 Spectrum Yellow

ColorCore2 by Formica (CC) is available in MicroDot Finish (MC), in the following 4 solid colors:

909 Black	7223 New White
927 Folkstone	4177 Lime

ColorCore2 by Formica (CC) is available in Polished Finish (-90), in the following 4 solid colors:

845 Spectrum Red	933 Mission White
909 Black	7223 New White

To order ColorCore2 by Formica samples, please contact your local Formica Sales/Specification Representatives or call 1-800-FORMICA™.

Test data and reports are available upon request.

HOW TO SPECIFY

Surface shall be ColorCore2 by Formica, Solid Color Laminates produced by Formica Corporation (or an affiliate with the specifications of Formica Corporation), Cincinnati, Ohio.

COLOR NUMBER _____

COLOR NAME _____

GRADE _____ CC _____

FINISH _____
(indicate letters, numbers and name)

USE AND CARE

ColorCore2 by Formica, Solid Color Laminates, 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 |
| chlorine bleach | oven cleaners |
| some countertop cleaners | toilet bowl cleaners |
| some disinfectants | |

LIMITED WARRANTY

Formica Corporation expressly warrants that, for a period of one (1) year from the date of first sale, ColorCore2 by Formica, Solid Color Laminates, will be reasonably free of defects in materials and workmanship and that when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications. This limited warranty only applies to ColorCore2 by Formica, Solid Color Laminates, which is stored, handled, fabricated and installed in the manner recommended in the *ColorCore[®]2 by Formica[®] 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 ColorCore2 by Formica, Solid Color Laminates, may be put, FORMICA CORPORATION CAN MAKE NO WARRANTY THAT THIS PRODUCT IS SUITABLE FOR ANY PARTICULAR PURPOSE AND CAN MAKE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, OTHER THAN THOSE SET FORTH ABOVE.

Buyer's exclusive remedy for any loss or claim resulting from the use or inability to use this product shall be replacement of the defective ColorCore2 by Formica, Solid Color Laminates, or at the option of Formica Corporation, return of the product and refund of the purchase price. IN NO EVENT SHALL FORMICA CORPORATION BE LIABLE IN EITHER TORT OR CONTRACT FOR ANY LOSS OR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. This limited warranty gives the purchaser of ColorCore2 by Formica, Solid Color Laminates, specific legal rights. Other rights may be available which vary from state to state.

Any information or suggestion concerning applications, 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 the specific application.

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 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.

MANUFACTURER

ColorCore2 by Formica, Solid Color Laminates are manufactured by Formica Corporation (or an affiliate in accordance with the specifications of Formica Corporation), 10155 Reading Road, Cincinnati, Ohio 45241.

IMPORTANT NOTICE

See www.formica.com for the most current technical data and warranty information, which is the only authorized source for this information.

Formica, the Formica Anvil logo, ColorCore are registered trademarks of The Diller Corporation. 1-800-FORMICA and ColorCore2 are trademarks of The Diller Corporation.



U.S. Green Building Council
Formica Corporation is a member of the U.S. Green Building Council.



Greenguard Environmental Institute
Formica® high-pressure laminate (HPL) is GreenGuard Indoor Air Quality Certified under the GreenGuard Standard for Low-Emitting Products.

