Westinghouse Micarta

High Pressure Decorative Laminates

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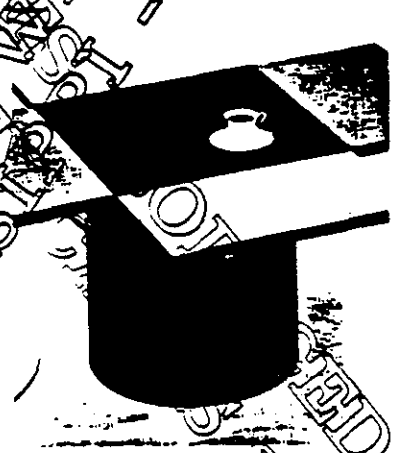
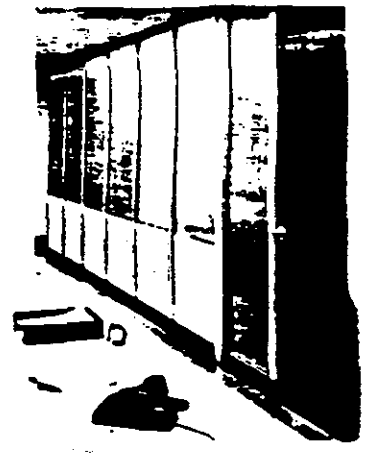
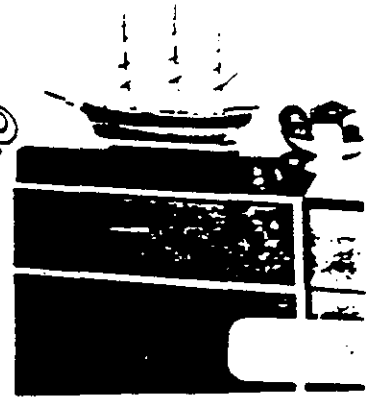
Technical and Application Information for Architects and Designers









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WESTINGHOUSE MAKES MICARTA...

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UNITED STATES PLYWOOD SELLS IT...

Micarta, the oldest name in high pressure laminated plastics, represents one of the truly important materials of the twentieth century. Developed in the laboratory, produced by modern technology, Micarta gives architects and designers a contemporary medium for their surfacing requirements.

Since it was first manufactured by Westinghouse in 1904, Micarta has grown in acceptance until it is now considered one of the basic materials. Micarta achieved this pre-eminence because users found it the near-perfect finishing material for a multitude of commercial and residential applications.

Architects and designers today know Micarta for its unmatched flexibility in the design situation. Here, indeed, are properties found in no other material. Micarta attains beauty as it provides utility. Micarta adds color, pattern, even a textural quality. It's versatile: low in cost; easy to work; quick to install; it is practical: looks bright; stays clean; lasts a lifetime. What other material does so much, so well, meeting today's surfacing requirements?

The Micarta you need . . . when you need it . . . where you need it. That's the pledge of availability Westinghouse makes to users of high pressure laminated plastics. That's why Micarta has associated itself with one of America's great building supply sources.

United States Plywood is the national distributor for Micarta. Its outlets offer a full inventory of Micarta, a range of Micarta-faced components, plus materials necessary for installation.

To augment its warehousing capacity, United States Plywood provides a comprehensive marketing program developed in the interests of architects and designers. Key to this program is the Branch Office.

Through its Branch Offices, United States Plywood reaches and serves all areas of the country. Then, to extend Branch Office services directly to architects and designers, an Architect's Service Representative is assigned to many Branch territories. Completing this program, Branch Offices maintain showroom facilities for the convenience of architects and designers. So when you specify Micarta, you are in fact, getting the industry's most advanced services.

Universal Coverage — Wherever you are, there's a United States Plywood Branch close by. More than 125 outlets throughout the United States and Canada make up this company's distribution system. A central warehousing policy permits large inventories of Micarta in all grades and sizes, as well as a broad selection of colors, patterns and grains. Most important: this modern approach to distribution assures maximum regional coverage and quickest possible delivery.

Architect's Service Representative — Functioning as a staff member at the Branch level, the Architect's Service Representative maintains close communication with architects and designers in his territory. He participates in regional architectural affairs. He acts as liaison between the design field and its source of supply at United States Plywood. He is knowledgeable of his products and their applications and will serve as your consultant for inquiries of all kinds.

Showroom Facilities — United States Plywood Branch Offices provide building material displays that permit a firsthand view of the company's variety of products. These showrooms are also available for demonstrations for architects, designers and their clients. An experienced representative will gladly discuss product uses and specifying and planning problems.

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General Information

Toward freedom from maintenance, versatility in design, flexibility in use—Micarta is the high pressure decorative laminate architects and designers have been specifying increasingly for countless applications. You will find many of these Micarta uses described and detailed in this manual. Four closely controlled finishes provide a graduating scale of reflectance values. Micarta colors, grains, and abstracts give a latitude of choice to all preferences.

The use-flexibility of Micarta—Furniture, counter tops, vanity built-ins, cabinets, movable partitions, interior doors, table and desk tops, wainscoating, elevator cabs, to name a few applications, confirm the use-flexibility of Micarta.

Fire Resistant Micarta is a high pressure laminate surfacing for applications where fireproofing is essential. First made for shipboard use, it offers all the features of General Purpose Micarta plus special advantages to meet protective codes. Fire Resistant Micarta has an asbestos base and bears the Underwriters' Laboratories, Inc. label.

1/32" Vertical Surfacing *adds a special dimension in high* pressure laminates. Only half as thick as standard laminates, it was designed essentially for vertical surfacing. 1/32" comes in all standard sizes, colors, grains and patterns.

1/2" Micartaboard is a high pressure decorative laminate designed for inexpensive and novelty furniture applications. This is available in all finishes. It is recommended for furniture and other applications where it is usually glued down to a frame or core by cold or hot press gluing. It meets all standards of the National Electrical Manufacturers Association for Hardboard Core-Type decorative laminates. 1/8" Micarta Furniture Board is also available.

Lo Glare is a Micarta finish developed particularly for use on office furniture, Micarta wall and office desks or wherever minimum light-reflectivity is desired. Plus its glare-subduing quality, Lo Glare imparts a textural feel to the Micarta.

Oil Rub is a special finish for Micarta wood grains. When rubbed with oil, this finish reveals an unusually high clarity of grain depth, giving furniture, walls and cabinets the appearance and feel of fine wood veneer, combined with the mar-resistance of Micarta.

Pages 18 to 23, which carry technical and application data, describe how these products permit a greater range of design expression for your surfacing requirements.

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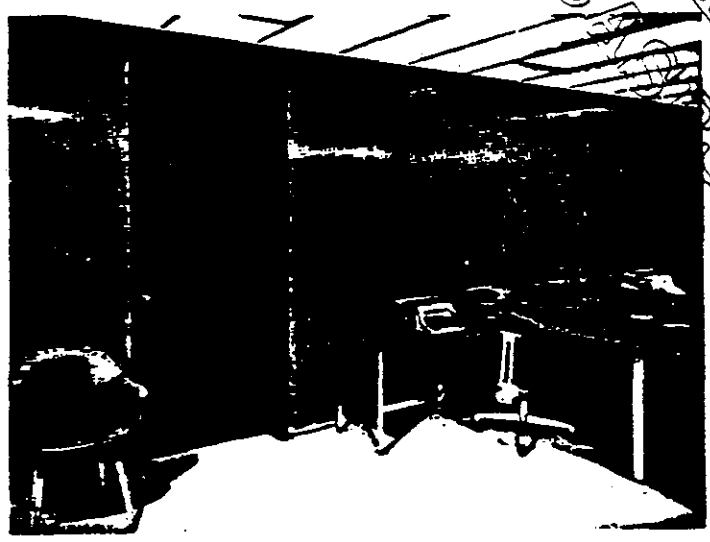
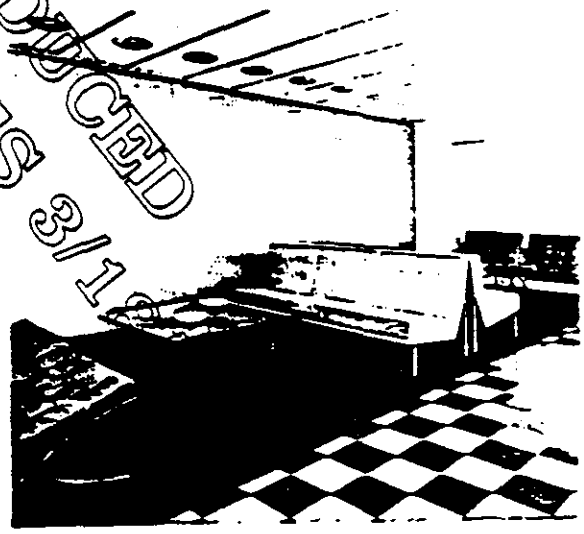
Walls and Doors

The look of luxury and a flair for color—Micarta is a modern, unsurpassed material for walls. It is easily applied and carries its original good looks over the years. For wall applications, Micarta is usually mounted on close grain plywood, however, other suitable core materials include particle board such as Novoply, metal or honeycomb. New high-strength adhesives permit mounting to these surfaces without heat or high pressure so that many installations may be fully handled at the job site. Fire Resistant Micarta Plywood Panels with UL approval are now available.

Door-facings reveal another of Micarta's versatile characteristics. Functionally ideal, Micarta bonds to the face of United States Plywood Flush Doors . . . either Stav-Strate solid core, Staved Lumber core, or Hollow core . . . to form the Weldwood Custom Royal Door. These doors can be machined at the factory for cost savings in job-site labor. They hang like any other door. Unlike others, they are impervious to wear.

United States Plywood Custom Royal Doors eliminate refinishing at the site. They need no push plates or kick plates. They need no waxing or staining. And Micarta's wipe-clean ease sees dirt and dust, grease or finger marks disappear under a damp cloth.





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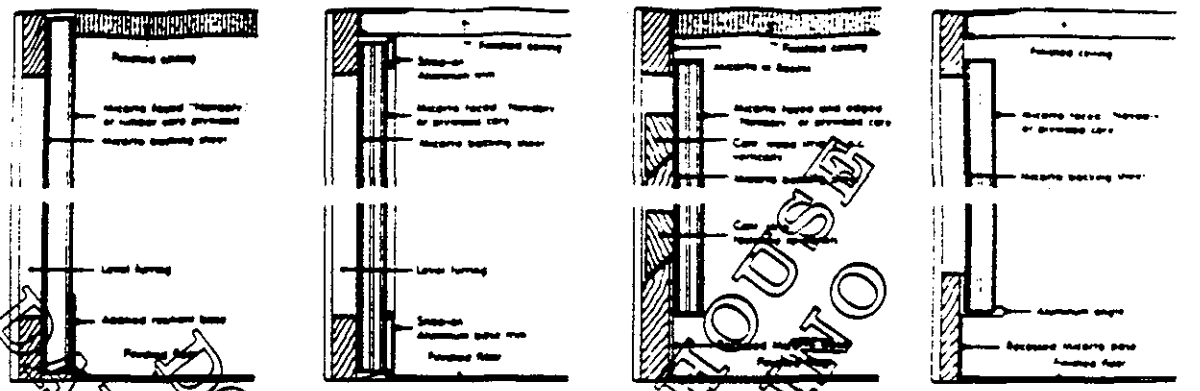
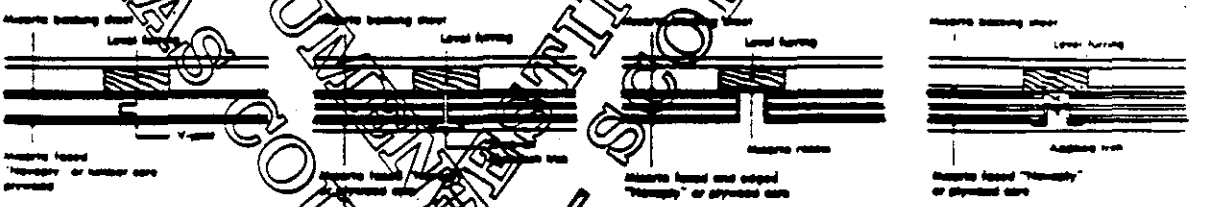
Wall panels—ceiling and base details



Panel joints and corner details

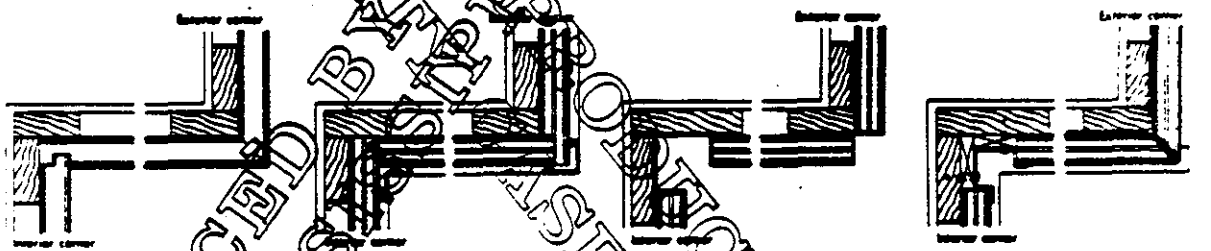


Tongue and groove joint

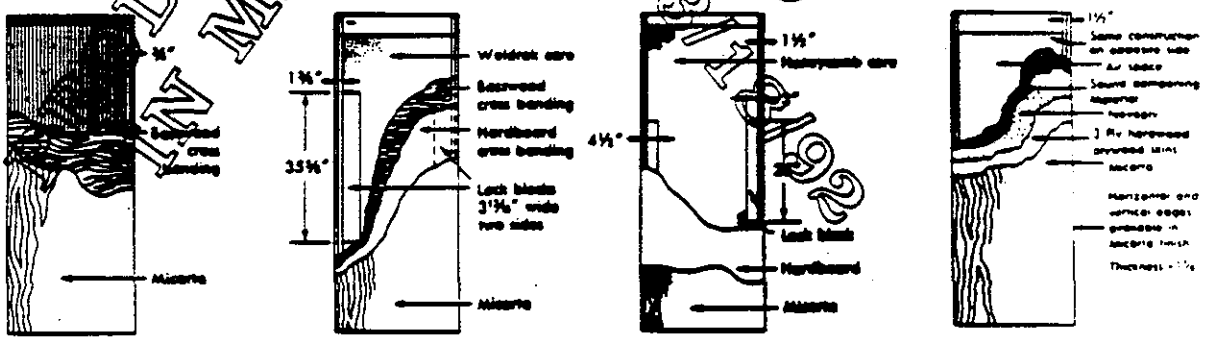
Butt [illegible] cover

Spaced joint

Spaced joint with cover



Doors—Micarta faced and edged



Stayed lumber core construction

Stay-Strate® construction

Hollow core construction

Acoustical core construction

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Movable Partitions



Exercising control over interior space—Architects and designers recognize the advantages of Micarta-faced Movable Partitions for their flexibility of design, ease of erection, early occupancy, lay-in wiring, and low cost maintenance.

Movable Partitions utilize an advanced system of components. These components permit optimum variation within the same layout using the same basic panel. The design profession can thus specify custom installations for individual projects without prohibitive costs. In addition, a choice of approved core materials is available to fit every budget and need.

Micarta-faced partitions have established acceptance for installations such as offices, schools, hotels, motels, hospitals, laboratories, restaurants and recreation centers.

Standard unit sizes:

Cornice height—7'1"

Panel height—6'7"

Ceiling height panels—to 12'0"

Panel unit widths—2'0", 2'6", 3'0", 3'6", 4'0", 5'0"

Door widths—to suit opening

Other one-piece panel heights and widths available special order.

Partitions are also available with fire resistant UL [illegible]

Micarta-faced Movable Partitions are available from Architectural Systems, Inc., in three distinctive lines—Electro Line, Custom Line and Lo-Line—in both decorator [illegible] and wood grains. For information, write Architectural Systems, Inc., 4300 36th St. S.E., Grand Rapids, Michigan.

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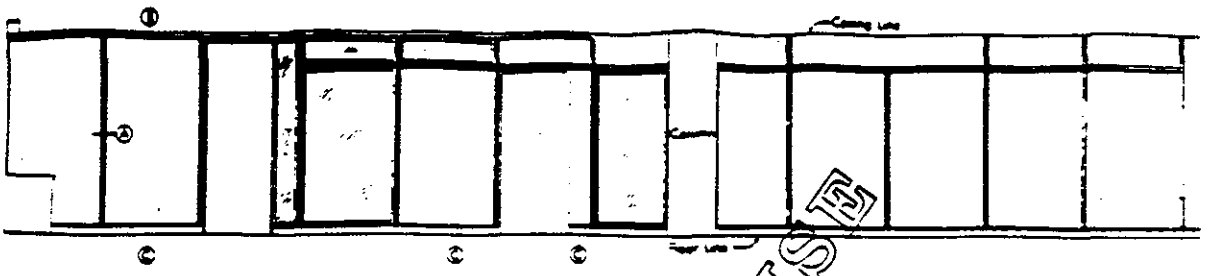
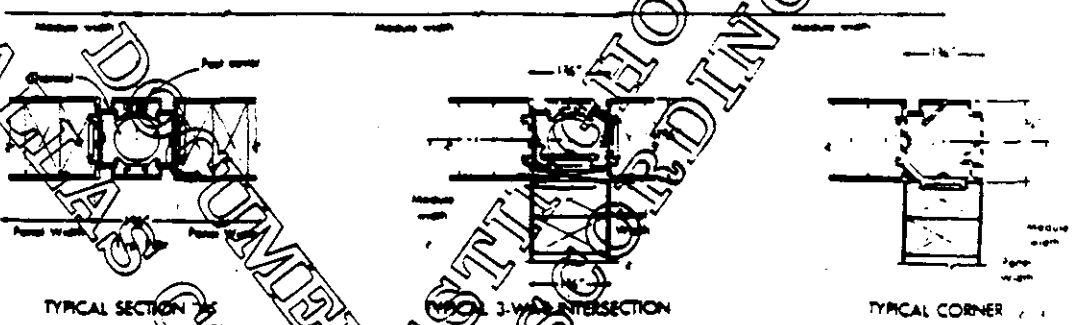
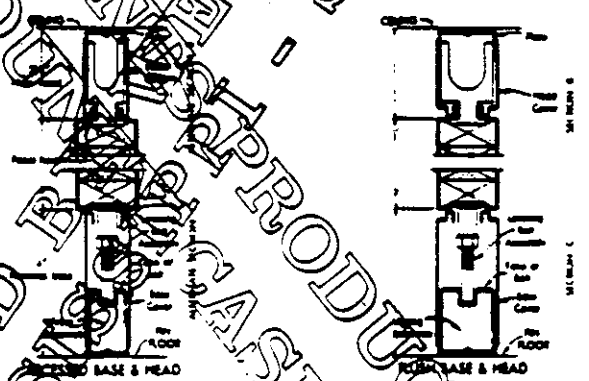
Typical elevations

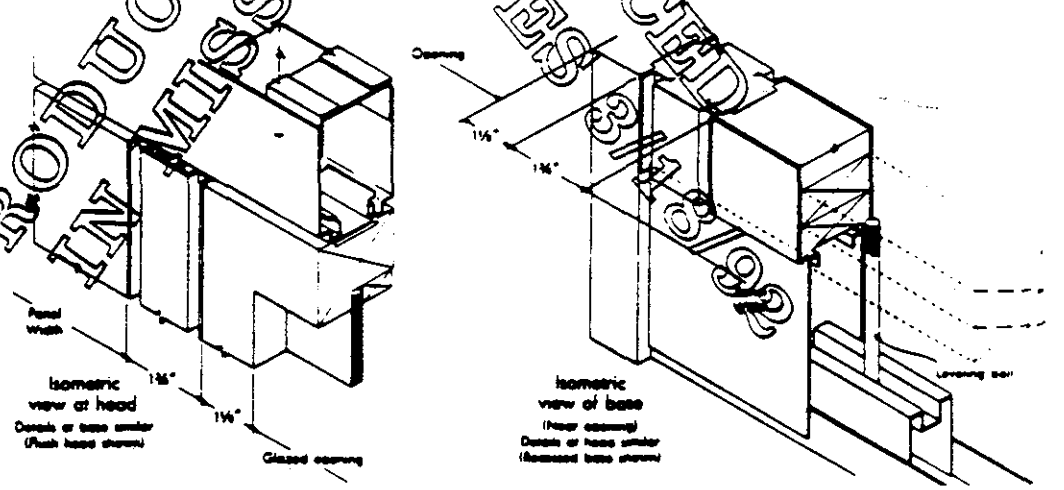


Movable partitions



Typical details





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Residential

Enhancing the livability of the home—Micarta opens limitless opportunities for design, arrangement and ease of maintenance. Micarta in the kitchen. In the dining room. In the bathroom. In the den or recreation room. Because Micarta forms the perfect background for a household's primary activities, it is indeed, a contemporary "living center" material.

Built-ins for television or hi-fi equipment, counter tops and backsplashes, kitchen cabinets, vanity tops. All are residential installations where Micarta meets the need for beauty plus those practical considerations for long life important to every home owner.

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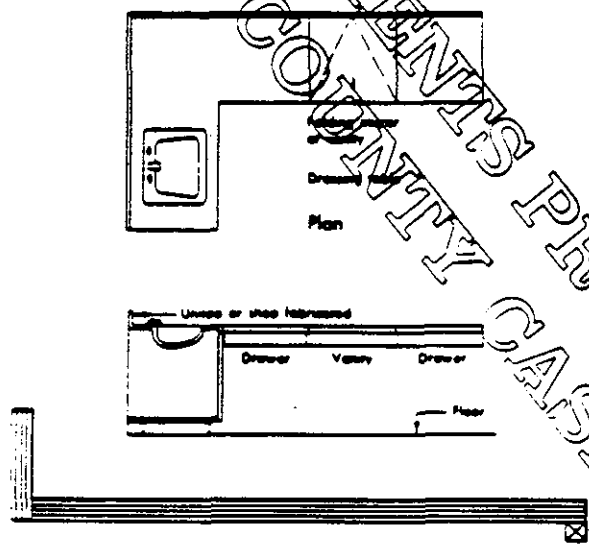
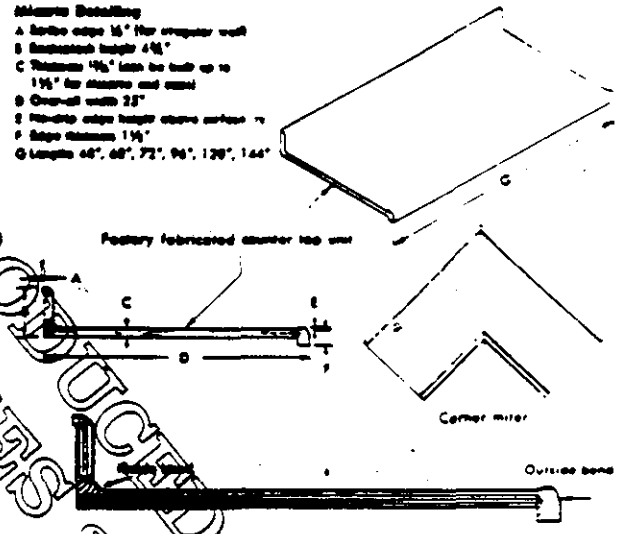




Conventional tops—Flush rims of the Hudee or Ardee type are generally preferred for ease of installation. These provide a trim, clean appearance to the counter installation.

Standard Micarta panels fit all kitchen needs, and their sizes assure a minimum of waste. Many convenient sizes: 2′ to 5′ wide and up to 12′ long.

Fully formed tops—The Micarta fully formed top fits straight counters, or can be miter-cut to meet "L"-shaped or "U"-shaped counter layouts. Unusually long, straight counters or "L"-shaped counters will require more than one fully formed section. The right combination of sizes in these cases will minimize waste.

Application is similar to that of Micarta conventional tops except, of course, that no backsplash is needed. Micarta end caps or end splash should be used to cover the exposed ends of the fully formed top.



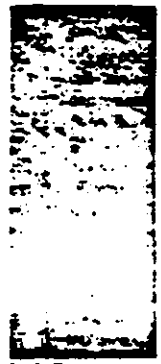
Colors, Grains and Abstracts

Realizing design through the hues and styles of Micarta

This selection of colors and grains is of most interest to the architect and designer. Cathay, a new muted abstract, is typical of many designs available in a wide range of colors. Special wood grains, colors and designs can be arranged by inquiry. See page 18 for a full description of Micarta Gloss, Furniture, Satin and Lo Glare finishes. Swatches are available upon request.







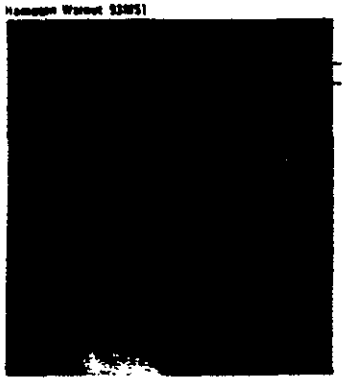


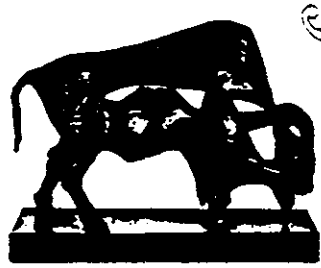


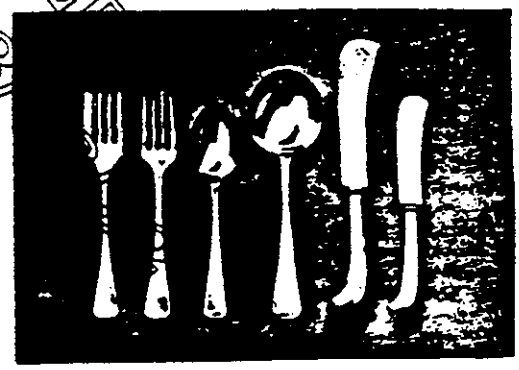










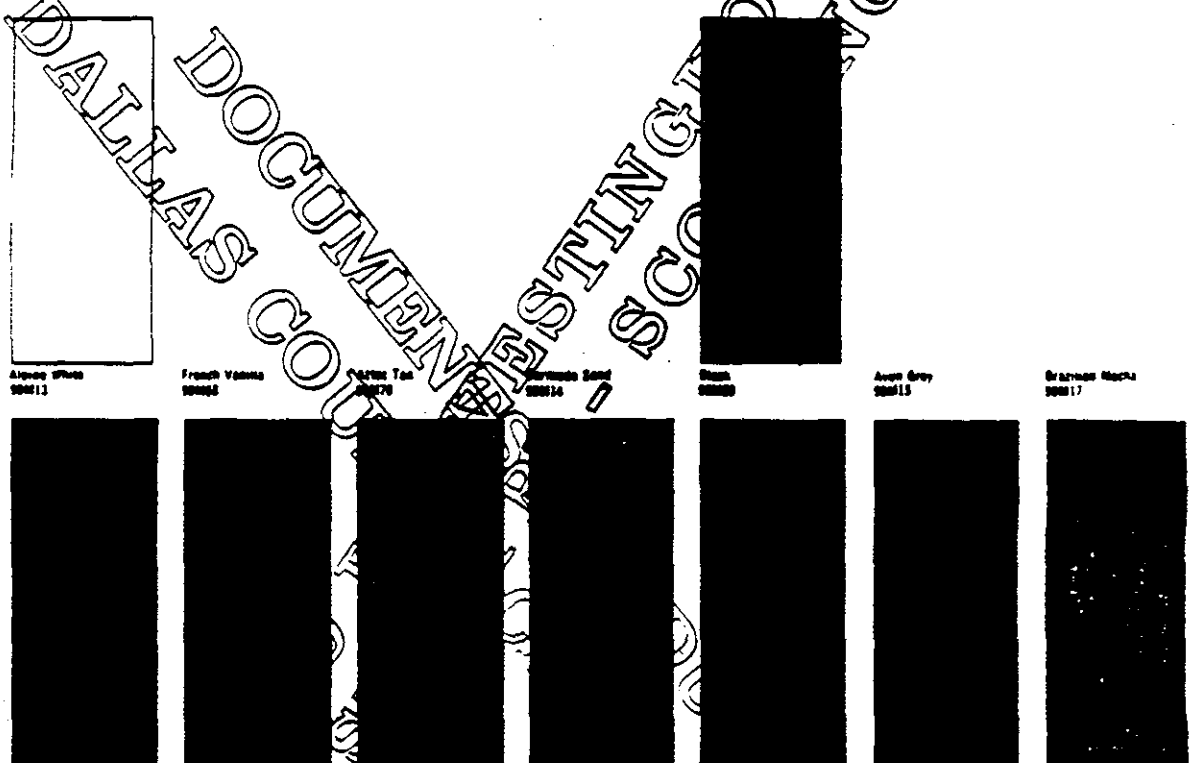


Hampton Walnut — new Micarta design, offering special warmth and an unusual grain structure. A change of pace. A handsome new design choice for furniture, cabinets or walls that require a warmth to accentuate permanence and character.

Micarta Oil Rub Finishing

Realizing design through a dramatic new texture

Oil Rub finishing is a breakthrough in high pressure [illegible] surfacing. Particularly suitable in the darker wood [illegible] Oil Rub finish takes oil or liquid wax finishing like [illegible] veneer, yet it wears like the mar-resistant laminate [illegible] hides visible effects of normal abuse more effectively than a gloss or satin finish, and eliminates finger marks more effectively than other textured materials. Oil Rub sheets can be custom-cut to your specifications.



Alpine White 90M13 | French Vanilla 90M68 | Aztec Tan 90M70 | Bermuda Sand 90M14 | Black 90M80 | Avon Grey 90M15 | Brazilian Mocha 90M17

Champlain Natural Walnut 93M39 | Lauren Ridge Walnut 93M36 | Georgian Bay Walnut 93M17 | Imperial Walnut 93M18 | Regal Natural Walnut 90M40 | Natural Walnut 90M41 | Plank Maple 90M34

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Cathay Grey 81M04 | Cathay Blue 81M05 | Cathay Pink 81M07 | Cathay Beige 81M06

Cathay, a misty, shadowy Micarta design. These subtle tones impart a soft elegance that is pleasing year after year. Blends easily with other colors and furniture. Women love Cathay for kitchen counters, vanity tops and vertical surfaces.


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Furniture

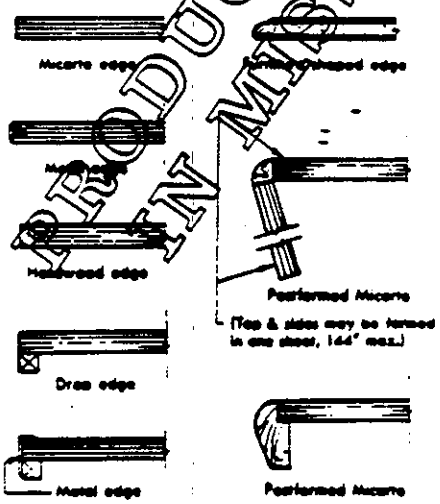
In the fulfillment of design and the interests of economy

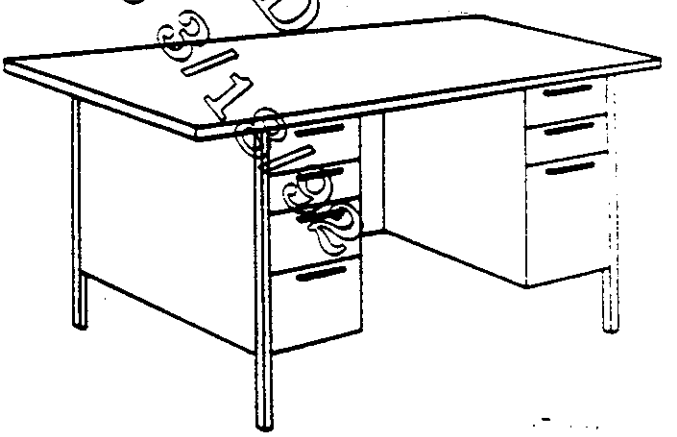
Designers and manufacturers of furniture choose Micarta for its unrivaled appeal in this competitive field. Micarta, with its many advantages, motivates design interpretations that are both practical and in good taste. Because of its ease of workability, Micarta lets the designer execute his ideas clearly and decisively. Because of its unqualified suitability to furniture, Micarta achieves a quality and distinction that appeals to customers.

Cost relief for the manufacturer is another prime advantage. One weight and grade does most jobs. For vertical surfaces where abrasion is no factor, 1/32" introduces still greater economies. Micarta is readily worked and only a limited amount of experience, or training, is required of workmen. Finishes can be matched and maintained over a long production run. And once Micarta is applied, costly hand finishing is eliminated. Throughout shipment, Micarta resists blows and abuse that would damage other finishes.

Westinghouse, Micarta Division, works closely with furniture manufacturers to supply sheets cut to size; sheets manufactured for oil rubbing to clarify and beautify the grain design; special scrims, leathers, colors, grains and patterns; and a variety of finishes. It also assists in merchandising through national publicity and such promotional items as quality tags and display cards.

Edge treatment





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Commercial

Things useful and beautiful in the commercial environment

Utility has a beauty of its own. Utility is durability, a resistance to wear and damage. And when these considerations combine with attractiveness, the beauty of utility is further accented. Because Micarta gives tasteful interpretation to its utility, it is indeed a logical choice for institutional and commercial assignments.

Micarta finds ideal application in clinics, hospitals and laboratories. Its nonporous surface eases maintenance and assures exceptionally high standards of sanitation.

Why do so many architects and designers specify Micarta for hotels, bars, restaurants, and cafeterias? Because it resists the stains and damage inflicted by grease, spilled foods and liquids.

Micarta for retail operation, banks and department stores? Increasingly, architects and designers specify Micarta to create visual surroundings conducive to better business.

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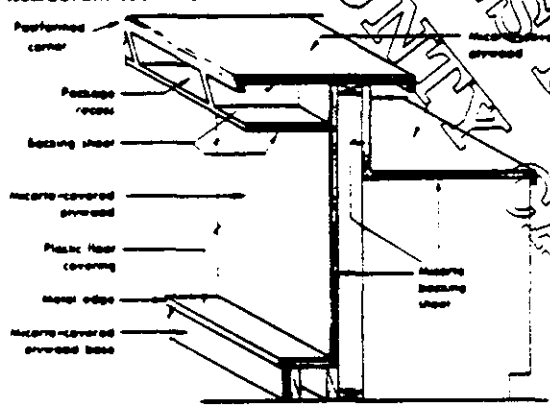
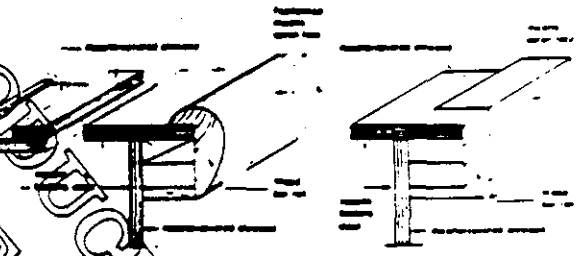
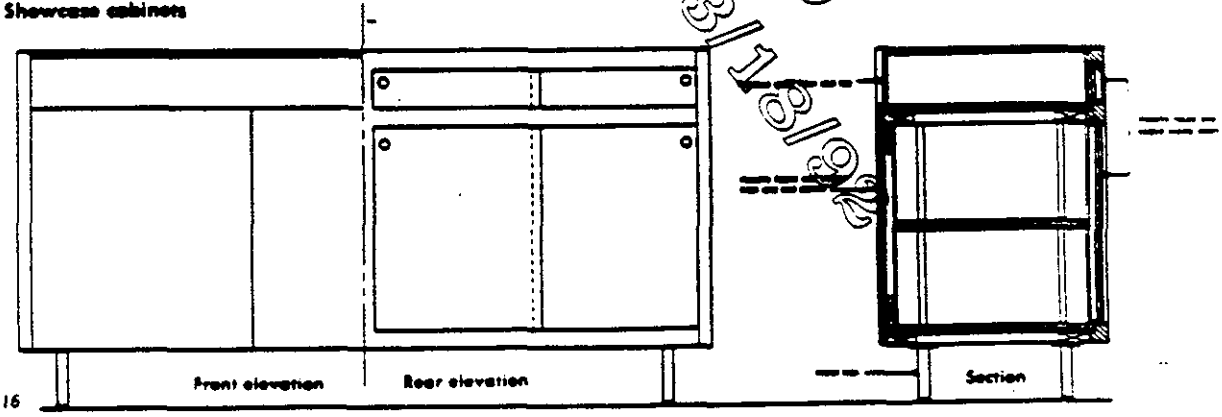
Restaurant counters

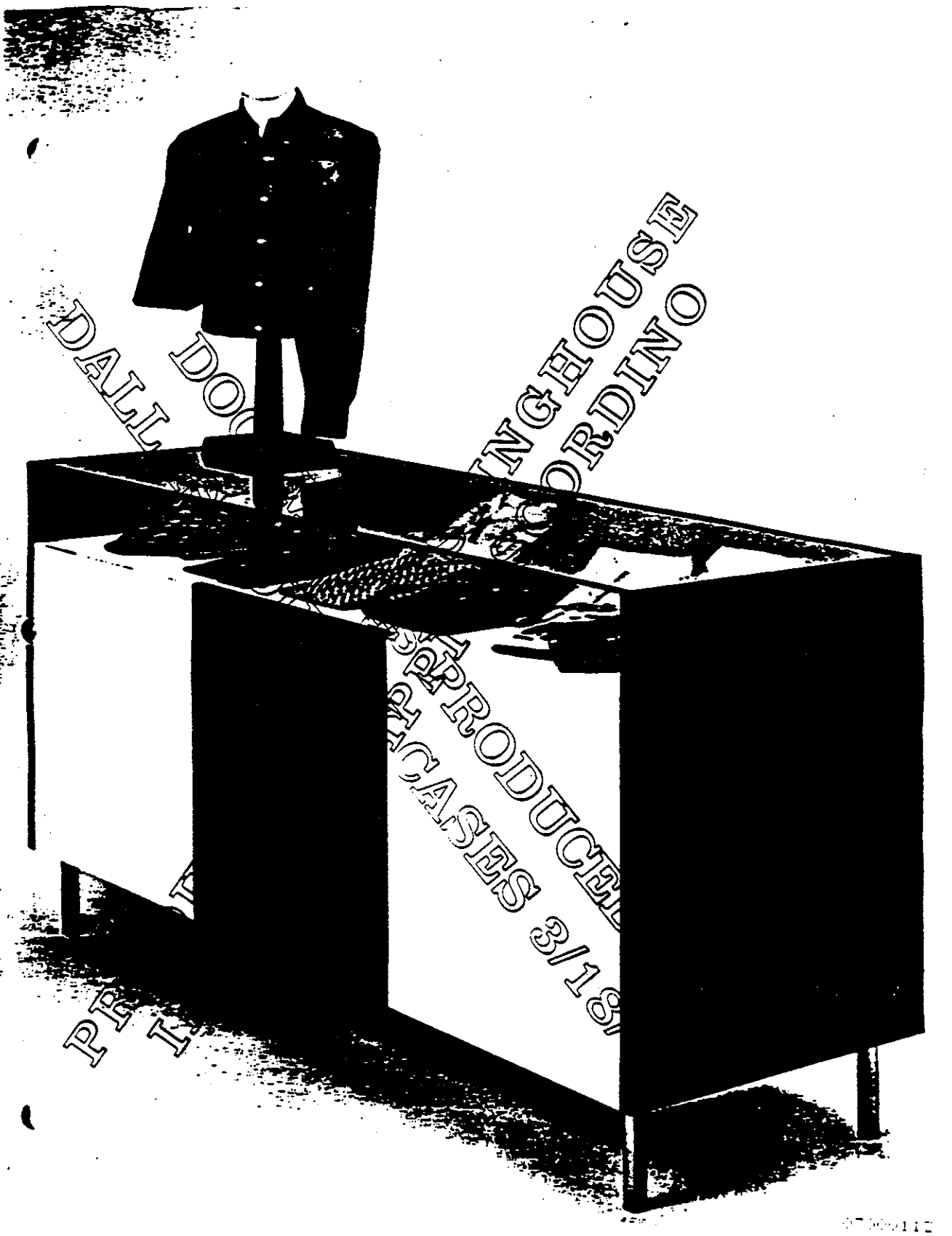


Bar counters



Showcase cabinets

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Special Products

Fire Resistant Micarta—Westinghouse originally developed this surfacing material for fire resistant wallboard in marine bulkheads. The application combined the fireproof requirements with the decorative features of standard Micarta so successfully that new applications are now being opened.

Fire Resistant Micarta carries the Underwriters' Laboratories, Inc. listing and labeling. It meets the rigid standards wherever fire resistance is a factor. Fire Resistant Micarta also meets or exceeds NEMA standards on resistance to fade, wear, moisture, stain, hot water, high temperature and dimensional stability. It gains its fireproofing quality from asbestos and a fire resistant resin. It will not crack, craze or blister at normal room temperatures. It bonds to incombustible cores for additional protection. Fire Resistant Micarta is .050" thick and is available in standard colors, grains and patterns.

Underwriters' Laboratories, Inc. Fire Hazard Classification Test—Fire Resistant Micarta

	Fire Spread	Fuel contributed by combustion	Smoke developed when exposed to fire
1. MICARTA WALL COVERING*—Type FR, .050" fire resistive Micarta otherwise known as asbestos Micarta.	15	15	5
2. MICARTA WALL COVERING*—Type S, standard 1/16" Micarta.	55-75	35	10
3. MICARTA BUILDING UNITS†—Type FR, .050" fire resistive Micarta otherwise known as asbestos Micarta.	15	20	5
4. MICARTA BUILDING UNITS†—Type S, standard 1/16"	65-90	40	20

*Wall covering is a designation for Micarta, which may be installed in the field or in the shop by laminating to a noncombustible surface such as asbestos cementboard. It is recommended that moldings or battens be used at the joints. Lamination should be with Hopeman Bros. 701 adhesive, as directed on the label. Micarta wall covering is listed as plastic, in the UL Building Materials List.

†Building Units is the designation for a panel manufactured by Setter Bros., Cattaraugus, New York. Micarta is laminated to a noncombustible backing such as asbestos cementboard.

1/32" Vertical Surfacing—Micarta's new 1/32" high pressure plastic laminate is one of the significant developments in the decorative laminate industry. It is offered in standard sizes, colors, grains, patterns and finishes for vertical applications. It postforms to a 3/8" radius and is versatile for applications like cabinets, vanities, paneling, wainscoating, plus many other residential and commercial uses. Most important: Micarta's 1/32" permits a new, low cost in laminates.

Fabrication and installation of 1/32" remain the same as General Purpose 1/16" or .050" Universal. Excellent results and appearance can be assured through proper contact gluing procedures and a correct core stock such as Lauan faced Douglas fir plywood, Novoply or metal. Recommended forming temperature is 325°F. within 60 seconds.

5/32" Micartabord—This Micartabord meets all NEMA standards for 5/32" hardboards. It comes in all lengths and 3 and 4 foot widths, any grade, design or color, and the five finishes listed below. One of the main applications for this type construction is in the inexpensive furniture and novelty furniture fields. It is recommended for applications where it will be glued down to a frame or core by cold press or hot press gluing. 5/32" Micartabord is available for cut-to-size applications.

Micarta Finishes—When you specify Micarta, you choose from five finishes, each varying in light reflection characteristics. Micarta gives you this broad selection so you can carefully match surface finish with functional needs.

GLOSS—A mirror surface finish produced by the chrome steel pressing plates in the process of manufacture.

FURNITURE—The Micarta's original gloss surface is machined by special process to a satin finish. It is then buffed to a fine furniture luster.

SATIN—The Micarta's original gloss surface is machined [illegible] special process to a satin finish for lower light reflec[illegible]

LO GLARE—An especially laminated and finished pro[illegible] of standard 1/16" thickness which provides a textura[illegible] and a minimum of light reflection. Lo Glare is a[illegible] on General Purpose 1/16" wood grains, linens and [illegible] designs in all standard sizes. Other colors and [illegible] can be made available upon request.

OIL RUB—The Micarta's wood grain surface [illegible] prepared for rubbing with oil to heighten the [illegible] the grain and give the appearance and fee[illegible] wood veneer. This finish is available in General P[illegible] 1/16" or 1/32" wood grains.

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DALLAS COUNTY CASES 3/1/2002

Working Micarta

Bonding to core stock—Recommended types of core materials are Novoply, Lauan-faced fir plywood, veneered hardwood plywoods and lumber core plywoods. Rotary-cut fir faces are not recommended, because of possible grain transfer through the face of the Micarta.

The best practice is to use a good urea-type glue. Contact bond cements are widely used for short-run production.

Micarta may be bonded to core material conveniently, without a press or clamps, using Weldwood® Contact Cement. This adhesive bonds on contact. It is recommended for recovering existing surfaces with Micarta or for small jobs.

Postformability . . . Universal Grade Micarta—Universal Grade Micarta minimizes inventories because one grade serves for both flat and postforming uses. This distinct advantage results from an extensible kraft core which permits bending and forming. Universal Grade Micarta can be postformed to a ½" radius on inside bends and ¾" radius on outside bends with commercial postforming equipment when heated to 325°F. in less than 60 seconds. Universal Micarta in .050" thickness can be bent cold to a radius of 3½".

Bending—General Purpose Micarta in ⅛" thickness can be bent cold to a radius of approximately 3 inches.

½" material will bend cold to a radius of 12". On postforming equipment, it will not bend to an inside or outside radius of ⅜".

Micarta panels in ¾" thickness can be curved or bent to a radius as small as 12" by saw kerfing the back side through all but the plywood face veneer.

Edge banding—Many types of edges are available: Micarta edges, extruded plastic or metal T-molding edges, metal overlap molding, and solid wood edges. Application detail sketches of these edges are shown on page 15. Many fabricators find that veneering edges with ½" Micarta strips is as economical as edge banding with metal moldings.

Sawing and drilling—Carpenters, builders and fabricators can cut Micarta panels easily by using a portable power saw. When using this equipment, a cleaner edge results when the panel is worked from the back. This way the teeth cut up into the decorative surface rather than up out of it.

In drilling, the decorative side should always be up so that the drill works into the decorative surface. Some chipping can be expected where the bit comes out, unless firmly backed.

Micarta Balancing Sheets—Backing, or balancing sheets, come in three thicknesses: .020", .045", .062". These sheets are recommended for fabricated panels such as free-form furniture, counter tops, and many types of vertical applications. Primary purpose of these sheets is to balance construction on the underside of a core panel. This increases stability and resistance to moisture. Factory bonded Micarta-on-Weldwood Plywood or Novoply panels are supplied with Micarta backing sheets.

Joining ⅜" panels for wall applications—It is easy to join Micarta panels. For the best fitting joint, edges to be joined should be held in a position slightly apart from each other, and routed between, so that both edges are cut at the same time. Where desired, several Micarta sheets can also be routed in one panel. Micarta edges should be smoothed with a fine scoplane or portable router. The back of the Micarta sheet can be sanded if necessary to achieve a flush joint. The using method for bonding Micarta to the core stock is then followed. Masking tape should be applied to prevent glue squeeze-out.

Clipping—Micarta in sheet form, from ½" up to 1/16" thickness can be clipped to approximate sizes on a standard veneer clipper or metal shears. The "off-fall" piece, however, will usually have chattered edges and must be re-clipped.

PRODUCED BY WEST COAST PLYWOOD
IN MISSISSAUGA
DATA DOCUMENT - SCOPE OF DISCLOSURE RESTRICTED
1992

Physical Characteristics

To meet or exceed standards—Decorative Micarta from .050" to ½" meets or exceeds the applicable standards set by the National Electrical Manufacturers Association (NEMA) in Bulletin LP2-1957 for laminated thermosetting decorative sheets. By meeting these NEMA standards, Micarta also meets the specifications of many other government agencies including: MIL-T-17171A (ships), L-T-41a, L-P-508c, AA-H-625. Micarta is approved by the New York City Board of Standards and Appeals under Calendar number 108-48-SM—Vol. II. Approved samples of Micarta are on file at the National Bureau of Standards for use by Veterans Administration Hospitals, and the United States Army Corps of Engineers. It is also approved by the United States Coast Guard for maritime applications when used according to their regulations. Micarta ½" Kickplate meets Federal specifications FF-H-111a. Fire Resistant Micarta is listed by Underwriters' Laboratories, Inc.

DOCUMENTS PRODUCED
DALLAS COUNTY CASE 3/18/92

PROPERTY; NEMA TEST	NEMA STANDARDS		MICARTA TYPICAL TEST VALUES			
	⅛" General Purpose	.032" Postforming	⅛"* General Purpose	.032"* Universal	½"*	.050"* Fire Resistant
Thickness	.062" ± .005"	.031" ± .004"	.062" ± .001"	.046" ± .001"	.031" ± .001"	.050" ± .001"
Wear Resistance, 2-2.01,						
Wear Value, cycles min.	400	400	420	420	400	450
Rate of Wear, g./100 cy.	.08	.08	.056	.06	.065	.05
Boiling Water Resistance, 2-2.02	No effect	Slight dulling	No effect	Very slight dulling	No effect	No effect
High-Temperature Resistance, 2-2.03	Slight dulling	Slight dulling	Slight dulling	Slight dulling	Slight dulling	Slight dulling
Cigarette Burn Resistance, 2-2.04, Seconds	110 minimum	75 minimum	115	115	30	94
Stain Resistance, 2-2.05,						
Reagents 1-20	No effect	No effect	No effect	No effect	No effect	No effect
Reagents 21-29	Superficial stains	Superficial stains	No effect	No effect	Superficial stains	No effect
Color Fastness, 2-2.06	Slight change	Slight change	Slight—none	Slight—none	Slight—none	Slight—none
Moisture Resistance, 2-2.07,						
Weight Increase	2—10%	12% max.	2.07%	3.8%	6.3%	1.5
Thickness Increase	2—10%	12% max.	2.33%	9.8%	7.4%	2.0%
Dimensional Stability, 2-2.08,						
With Grain	.5%	1.1%	0.27%	0.46%	0.6%	0.02
Cross Grain	.9%	1.4%	0.66%	0.89%	0.9%	0.04%
Flexural Strength, 2-2.09,						
Psi., face in tension	12,000	12,000	17,240	16,700	23,800	21,540
Modulus, face in tension	800,000		1,345,000		2,110,000	1,760,000
Psi., face in compression	18,000	15,000	28,000	21,520	30,000	16,140
Modulus, face in compression	800,000		2,068,000		2,500,000	1,640,000
Permeability, 2-2.11		¼" radius		½" radius	½" radius	

Additional property information for special applications available from the United States Plywood Corporation.

*Results from an independent test laboratory report, not to be regarded as product specifications.

Architectural Specifications

SPECIAL NOTES:
See pages 12 and 13, for colors, grains and patterns.

For economy, select grade, colors, grains and patterns before contract is awarded. Stacks, grains and patterns are lowest in cost. White and decorator colors are slightly higher.

Gloss finish is as manufactured. Furniture finish is half way between Gloss and Satin. Satin finish is brushed soft sheen. Lo Glare is a special process that reduces reflection to a minimum.

Use General Purpose for flat edges and radii min. 6". For smaller radii, use Universal Grade .050" or 1/32".

Always face both sides of doors.

Always use backing sheet where moisture may be present. Material cost is less than 15% additional. Use .045" for optimum balancing of large unsupported areas.

Do not use hardboard in wet areas.

See United States Plywood Weldwood Movable Partitions Catalog for details and specifications.

Do not use oil-base putty.

For other panel installation details see your United States Plywood representative.

For information on Micarta, Micarta-faced products, and related building materials . . . see the Yellow Pages for your local United States Plywood Branch.

SHORT FORM

Decorative surfacing should be a high pressure laminated plastic (melamine resin surfaced) equaling the performance standards of the National Electric Manufacturers Association (NEMA) for Class 1 high pressure laminates in resistance to dimensional change, moisture, water, wear, stains, and burns. This will be Westinghouse Micarta No._____, or approved equal.

LONG FORM

Materials

PLASTIC SURFACING: Micarta, a high pressure laminated plastic sheet conforming to NEMA Standards LP2-1957 as manufactured by Westinghouse Electric Corporation and distributed by United States Plywood Corporation. Grade: (General Purpose 1/16" thick), (1/32" thick), (Cigarette-proof Grade 1/16" thick), (Universal Grade .050" thick). Colors, grains and patterns (Decorator Color No._____), (Wood Grains No._____), (Constellation No._____), (Irish Linen No._____), (Marble Gold No._____), (Parisian Gold No._____), (Pompeian Marble No._____), (Samoan Pearl No._____), per schedule of finishes. Finishes: (Gloss) (Furniture) (Satin) (Lo Glare) (Oil Rub).

EDGING: (General Purpose Micarta), (Universal Grade Micarta curved per details), (aluminum of design shown), (standard steel of design shown), (Weldwood moldings), ( )

BACKING SHEET: Micarta backing sheet (.045") (.020") (.062") thick.

CORE: (Novoply), (Weldwood gum, or rotary Philippine mahogany plywood), (interior), (exterior grade), (asbestos-cement board), (Hardboard), —" thick.

COUNTER TOP: Micarta one-piece formed counter top with coved backsplash and no-drip edge as distributed by U. S. Plywood Corp. Colors, Grains and Patterns: (insert name and number). Finish: (Gloss), (Furniture), (Satin), (Lo Glare). Corners: (mitered), (with Micarta end caps). Include (joint fasteners), (butt) (miter) joint moldings, complete.

PLASTIC-FACED PANELS: (Novoply panels 3/8" thick), (Lesson grade Douglas fir plywood panels 1 1/8"-1 1/2" thick), (Micartaboard 1/32" thick), a Micarta-faced fabricated panel as manufactured by Westinghouse Electric Corp.

DOORS: Weldwood Custom Royal (Stay-Strate) (Staved Lumber Core) doors of sizes scheduled faced both sides with Micarta as manufactured by U. S. Plywood Corp. Edges of lock and hanging stiles; finished (natural) (with General Purpose Micarta) Colors, grains and patterns; (insert name and number). Finish: (Gloss) (Furniture) (Satin) (Lo Glare).

MOVABLE PARTITIONS: When Micarta-faced movable partitions are specified, paragraph "Plastic Surfacing" should be inserted in the Movable Partitions section under Materials and paragraphs relating to panels, doors, gases, base, fillers, etc., suitably altered.

Surface Preparation

When Micarta is applied to walls where backing is erected first, include the following paragraph. Surfaces: rigid, smooth, even, free from dirt, oil, plaster, paint, with nails set below surface. Fill holes, cracks, splits or joints wider than 1/16" with plastic wood. Sand flush with adjoining surface.

Application

Insofar as possible, execute all work in the shop. Assemble on the site.

Install Micarta on core with (Weldwood Contact Cement) (Weldwood Plastic Resin Glue) (Weldwood Phenol Resorcinol Adhesive) as recommended by the adhesive manufacturer.

Install Micarta with back surface uniformly bonded to the core, free of waves or buckles, with face surfaces smooth and even. Make tight butt joints; match patterns, grains, or neatly around openings; bevel exposed exterior corners, edges; make up joints in white lead paste.

Install moldings, (metal) (wood) (plywood) splines to insure tight joints, rigid installation.

Protection, Cleaning

Provide suitable protection for edges, corners during shipping, erecting to avoid chipping.

At completion, clean surfaces with mild soap and water. Do not use abrasive cleaners, strong acid or alkalies.

Note: The following sentences should be added to the general paragraphs of the section.

WORK BY OTHERS: Insert adjoining or applied work furnished and installed by others such as floor base, fixtures and equipment, sink and lavatory frames, hardware, etc.

SAMPLES: Furnish (2" x 3") (5" x 8") samples with the finish specified and containing manufacturer's name, color, grain, pattern and number.

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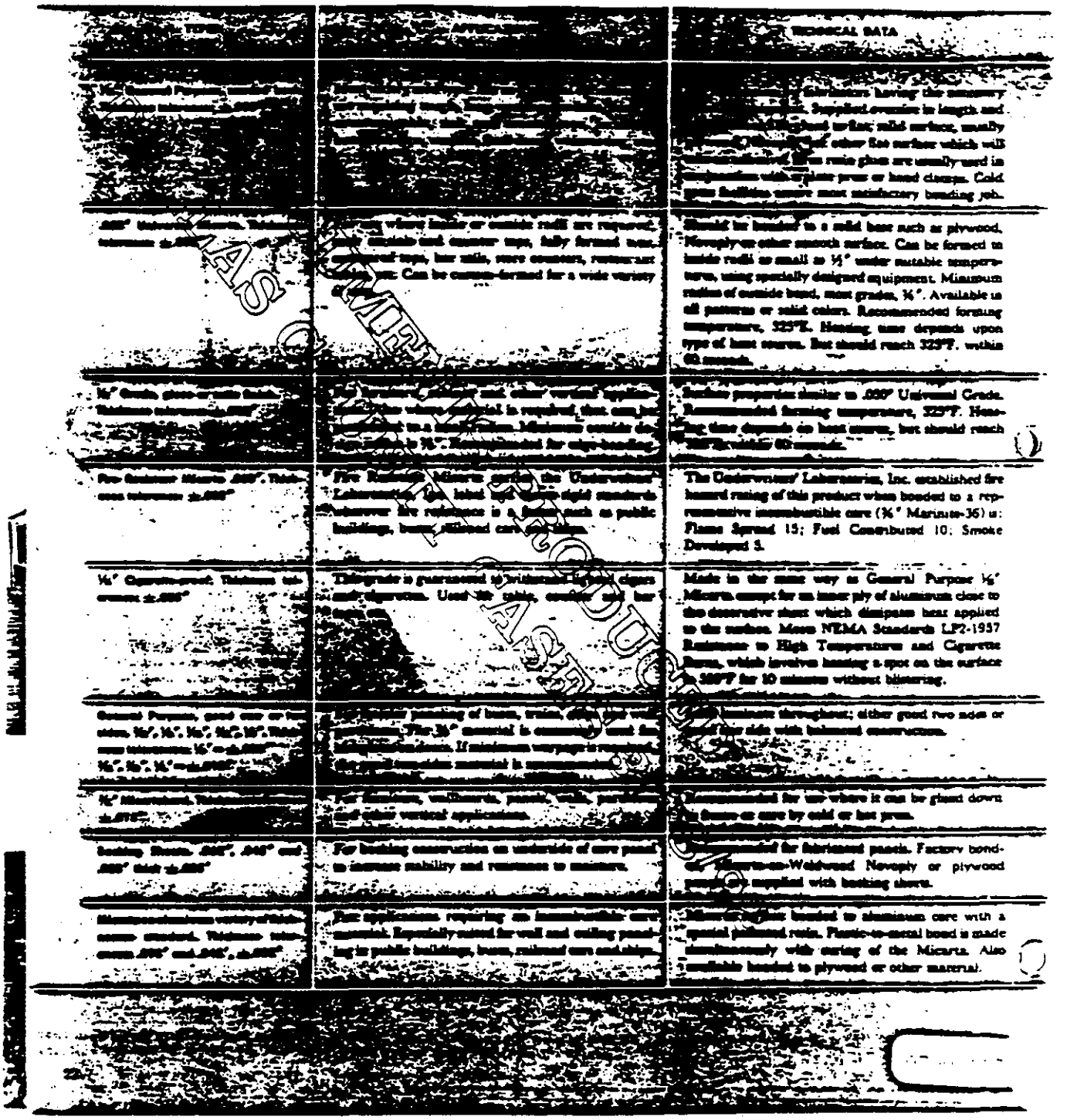
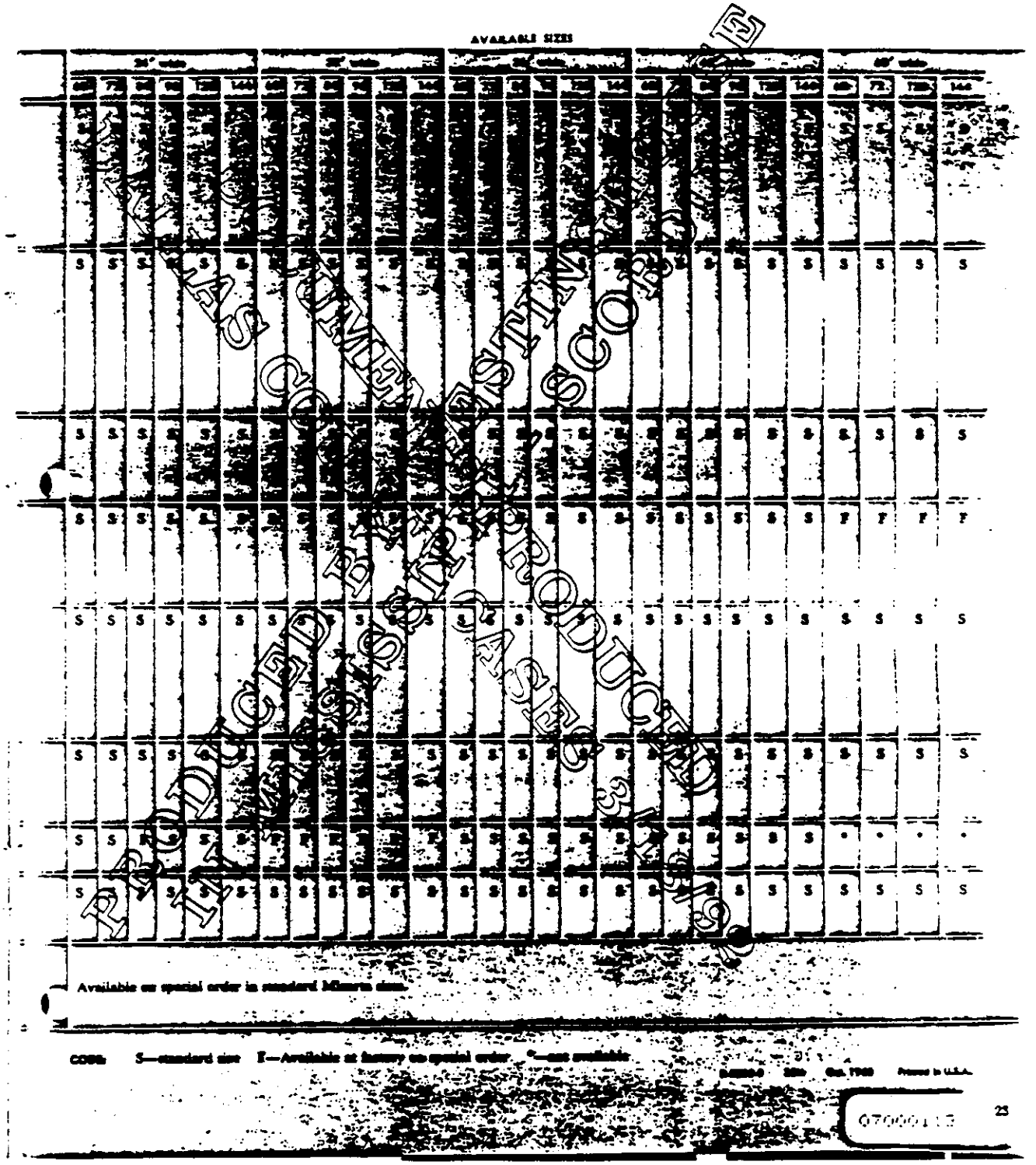
Type, Applications, Technical Data, Grades and Sizes





AVAILABLE SIZES

24" wide						32" wide						36" wide						48" wide						60" wide			
60	72	84	96	120	144	60	72	84	96	120	144	60	72	84	96	120	144	60	72	84	96	120	144	60	72	120	144
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	F	F	F	F
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
S	S	F	S	S	S	F	F	F	F	F	F	S	S	S	S	S	S	S	S	S	S	S	S	*	*	*	*
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

Available on special order in standard Minerva sizes.

CODE: S—standard size F—Available at factory on special order *—not available

Printed in U.S.A.

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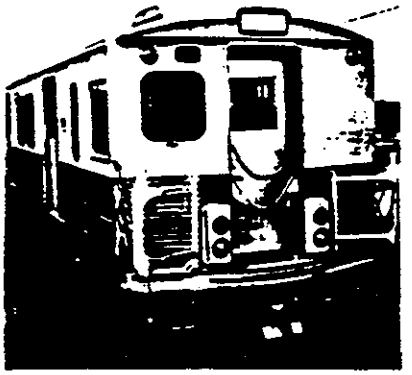
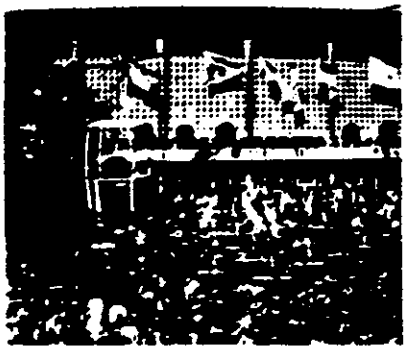
Budd Subway-El Car, City of Philadelphia



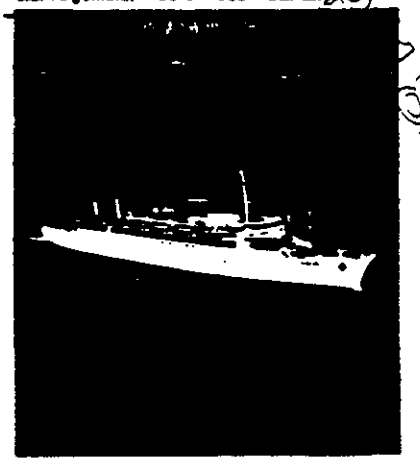
Fairchild F-27, West Coast Airlines



U.S. Pavilion, Brussels World's Fair



S.S. Argentina, Moore-McCormack Lines



Architects and designers, in all fields, employ Micarta to meet the exacting criteria of today's world. They know this surfacing with the diamond-hard finish is permanently useful and beautiful. Most of all, they know it's safe. That's why Micarta is a leading surfacing material for trains, planes, ships and exposition buildings. Micarta eliminates hazards, at the same time, implements a creative approach to today's design problems.

ALLA COUNTY CASE 2 8/92