

Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers and titles are from *MasterFormat 1995 Edition*, with numbers and titles from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

SECTION 06400 (06 40 00)

ARCHITECTURAL WOODWORK

Specifier Notes: This section covers the following Kerfkore Bendable substrate materials:

1. Kerfkore® (single sided, double sided)
2. Flexboard®
3. Timberflex
4. Econokore®

Consult Kerfkore for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Bendable Products

Specifier Notes: Edit the following list for the specified materials.

1. **Kerfkore** – (Single sided) Substrate that enables lamination first using HPL, metal, veneer and other semi rigid materials and then bending down to a 3-1/2" radius. (Double sided) Available with a semi rigid back side to keep the material stiff until the kerf is removed.
2. **Flexboard** – Substrate with a uniform and stable overlay that allows for traditional face lamination after forming down to a 10" radius. If laminated flat using single ply veneer before bending, a 16" radius can be achieved.
3. **Timberflex** – Substrate that utilizes an Italian Poplar Plywood face ready to be formed first then laminated. Forming down to 5" radius can be achieved.
4. **Econokore** - Substrate with a stable HD Fiberboard face that allows for traditional face lamination after forming down to a 12" radius.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. Include sections specifying products that incorporate Kerfkore Bendable substrate materials. List other sections with work directly related to this section.

- A. Section 06220 (06 22 00) – Millwork (Millwork)
- B. Section 06250 (06 25 00) – Prefinished Paneling
- C. Section 06260 (06 26 00) – Board Paneling
- D. Section 06410 (06 41 00) – Custom Cabinets (Architectural Wood Casework)
- E. Section 06415 (12 36 23.13)– Countertops (Plastic-Laminate-Clad Countertops)
- F. Section 06420 (06 42 00) – Paneling (Wood Paneling)
- G. Section 06430 (06 43 13) – Wood Stairs (Wood Stairs)
- H. Section 06440 (06 44 00) – Wood Ornaments (Ornamental Woodwork)
- I. Section 09740 (09 74 00) – Flexible Wood Sheets
- J. Section 09770 (09 77 00) – Special Wall Surfaces (Special Wall Surfacing)
- K. Section 10440 (10 14 00) – Interior Signage (Signage)
- L. Section 12300 (12 30 00) – Manufactured Casework (Casework)
- M. Section 12500 (12 50 00) – Furniture (Furniture)
- N. Section 12700 (12 59 00) – Systems Furniture

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards but is merely a listing of those used.

- A. ANSI A208.1 – Particleboard, Mat-Formed Wood
- B. ANSI A208.2 – Medium Density Fiberboard for Interior Use
- C. ASTM D 1037 – Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
- D. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials

1.4 SUBMITTALS

A. Comply with Section 01330 (01 33 00) – Submittal Procedures

B. Product Data: Submit manufacturer’s product data.

Specifier Notes: Delete samples if not required.

C. Samples: Submit manufacturer’s samples, minimum 2 in x 7 in

D. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.

E. Material Certifications: Submit material certifications.

F. Warranty: Submit manufacturer’s standard warranty.

1.5 QUALITY ASSURANCE

A. Manufacturer’s Qualifications: Manufacturer regularly engaged, for preceding 20 years, in manufacture of bendable architectural woodwork materials of similar type to that specified.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage:

1. Store materials in clean, dry area indoors in and away from direct contact with the floor to allow for air circulation.
2. Store materials on flat, level surface with adequate support to prevent sagging.

C. Conditioning: Condition materials to final environment for 48 to 72 hours before installation and finishing.

D. Handling: Protect materials during handling and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

Kerfkore Company, 2630 Sidney Lanier Dr., Brunswick, GA., 31525. Phone (800)–637-3539, Fax (912)-262-9763. Email: info@kerfkore.com. Website: www.kerfkore.com

2.2 Products

A. Kerfkore Single Sided

1. Material

Specifier Notes: Specify Core Type

- a. Core: [Standard Particle Board] [MDF] [Plywood]
[No Added Formaldehyde Particleboard (100 percent post-industrial recycled wood fiber)]
[No Added Formaldehyde Particleboard Fire Rated]

Specifier Notes: Specify Face Type

- b. Face: LTX Black™ Flexible Backer

Specifier Notes: Specify panel thickness.

2. Panel Thickness

- a. Particle Board: [3/8 in] [1/2 in] [5/8 in] [3/4 in]
b. MDF: [1/4 in] [3/8 in] [1/2 in] [5/8 in] [3/4 in]
c. Plywood: [1/2 in] [5/8 in] [3/4 in]
d. NAF Particleboard: [11/16 in] [3/4 in]
e. NAF Particle Board Fire Rated: [11/16 in] [3/4 in]
f. Thickness Tolerance: (+ or -) 0.02-in, average from nominal or deviation from average.

Specifier Notes: Specify panel size.

3. Panel Size

- a. Particle Board: 49 in x 97 in, 49 in x 121 in, 49 in x 144 in, 61 in x 97 in
b. MDF: 48 in x 96 in
c. Plywood: 48 in x 96 in
d. NAF Particle Board: 49 in x 97 in, 49 in x 121 in
e. NAF Particle Board Fire Rated: 49 in x 97 in, 49 x 121 in

4. Physical Properties

- a. Flame Spread Rating, ASTM E 84: Standard Class C (3). Fire Rated Class A (1)
b. Moisture Content: 4 to 6 percent average, oven-dry basis.
c. Radius: Bendable to 3.5 in

B. Kerfkore Two Sided

1. Material

Specifier Notes: Specify Core Type

- a. Core: [Standard Particle Board] [MDF] [Plywood]
[No Added Formaldehyde Particleboard (100 percent post-industrial recycled wood fiber)]
[No Added Formaldehyde Particleboard Fire Rated]

Specifier Notes: Specify Face Type

- b. Top Face: LTX Black Flexible Backer
- c. Back Face: Semi Rigid Phenolic Impregnated Paper Sheet

Specifier Notes: Specify Panel Thickness

2. Panel Thickness

- a. Particle Board: [3/8 in] [1/2 in] [5/8 in] [3/4 in]
- b. MDF: [1/4 in] [3/8 in] [1/2 in] [5/8 in] [3/4 in]
- c. Plywood: [1/2 in] [5/8 in] [3/4 in]
- d. NAF Particleboard: [11/16 in] [3/4 in]
- e. NAF Particle Board Fire Rated: [11/16 in] [3/4 in]
- f. Thickness Tolerance: (+ or -) 0.02-inch, average from nominal or deviation from average.

Specifier Notes: Specify Panel Size

3. Panel Size

- a. Particle Board: 49 in x 97 in
- b. MDF: 48 in x 96 in
- c. Plywood: 48 in x 96 in
- d. NAF Particle Board: 49 in x 97 in
- e. NAF Particle Board Fire Rated: 49 in x 97 in

4. Physical Properties

- a. Flame Spread Rating, ASTM E 84: Standard Class C (3). Fire Rated Class A (1)
- b. Moisture Content: 4 to 6 percent average, oven-dry basis
- c. Radius: Bendable to 3.5-inch radius Once backing sheet is removed.

C. Flexboard

1. Material

Specifier Notes: Specify Core Type

- a. Core: [Standard Particle Board] [MDF] [Plywood]
 [No Added Formaldehyde Particleboard (100 percent post-industrial recycled wood fiber)]
 [No Added Formaldehyde Particleboard Fire Rated]

Specifier Notes: Specify Face Type

- b. Top Face: [0.080-in Eucalyptus Hardboard]

Specifier Notes: Specify panel thickness.

2. Panel Thickness

- a. Particle Board: [1/2 in] [5/8 in] [3/4 in]
- b. MDF: [1/2 in] [5/8 in] [3/4 in]
- c. Plywood: [1/2 in] [5/8 in] [3/4 in]
- d. NAF Particle Board: [3/4 in]
- e. NAF Particle Board Fire Rated: [3/4 in]
- g. Thickness Tolerance: (+ or -) 0.02-in, average from nominal or deviation from average.

Specifier Notes: Specify panel size.

3. Panel Sizes

- a. Particle Board: 48 in x 96 in, 96 in x 48 in, 48 in x 120 in (3/4 in only),
120 in x 48 in (3/4 in only)
- b. MDF: 48 in x 96 in, 96 in x 48 in
- c. Plywood: 48 in x 96 in, 96 in x 48 in
- d. NAF Particle Board: 48 in x 96 in, 96 in x 48 in, 48 in x 120 in (3/4 in only),
120 in x 48 in (3/4 in only)
- e. NAF Particle Board Fire Rated: 48 in x 96 in, 96 in x 48 in, 48 in x 120 in (3/4 in only),
120 in x 48 in (3/4 in only)

4. Physical Properties

- a. Flame Spread Rating, ASTM E 84: Standard Class C (3). Fire Rated Class A (1) (Core only)
- b. Moisture Content: 4 to 6 percent average, oven-dry basis
- c. Radius: Bendable to 8 in

D. Timberflex

1. Material

Specifier Notes: Specify Core Type

- a. Core: [Standard Particle Board] [MDF] [Plywood]
 [No Added Formaldehyde Particleboard (100 percent post-industrial recycled wood fiber)]
 [No Added Formaldehyde Particleboard Fire Rated] [Italian Poplar Plywood]

Specifier Notes: Specify Face Type

b. Top Face: 0.125-in 3-ply Italian Poplar Plywood

Specifier Notes: Specify Panel Thickness

2. Panel Thickness

- | | |
|----------------------------------|---|
| a. Particle Board: | [1/2 in] [5/8 in] [3/4 in] |
| b. MDF: | [1/2 in] [5/8 in] [3/4 in] |
| c. Plywood: | [1/2 in] [5/8 in] [3/4 in] |
| d. NAF Particle Board | [3/4 in] |
| e. NAF Particle Board Fire Rated | [3/4 in] |
| f. Italian Poplar Plywood | [1/2 in] [5/8 in] [3/4 in] |
| g. Thickness Tolerance: | (+ or -) 0.02-in, average from nominal or deviation from average. |

Specifier Notes: Specify Panel Size

3. Panel Sizes

- | | |
|----------------------------------|------------------------------|
| a. Particle Board: | 48 in x 96 in, 96 in x 48 in |
| b. MDF: | 48 in x 96 in, 96 in x 48 in |
| c. Plywood: | 48 in x 96 in, 96 in x 48 in |
| d. NAF Particle Board: | 48 in x 96 in, 96 in x 48 in |
| e. NAF Particle Board Fire Rated | 48 in x 96 in, 96 in x 48 in |
| f. Italian Poplar Plywood | 48 in x 96 in, 96 in x 48 in |

4. Physical Properties

- Flame Spread Rating, ASTM E 84: Standard Class C (3). Fire Rated Class A (1) (Core only)
- Moisture Content: 4 to 6 percent average, oven-dry basis
- Radius: Bendable to 5 in

E. Econokore

1. Material

Specifier Notes: Specify Core Type

a. Core: Standard MDF

Specifier Notes: Specify Top Face

b. Top Face: [.0625-in-high density overlay] [0.125-in 3-Ply Italian Poplar Plywood]

Specifier Notes: Specify Panel Thickness

2. Panel Thickness

- a. MDF: [1/4 in] [3/8 in]
- b. Thickness Tolerance: (+ or -) 0.02-in, average from nominal or deviation from average.

Specifier Notes: Specify Panel Size

3. Panel Size

- a. MDF: 48 in x 96, 96 in x 48 in

4. Physical Properties

- a. Flame Spread Rating, ASTM E 84: Standard Class C (3).
- b. Moisture Content: 4 to 6 percent average, oven-dry basis
- c. Radius: Bendable to 10 in

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical information, product catalog installation instructions and product carton instructions for installation.

3.02 PREPARATION

- A. Surface Preparation: [Specify applicable product preparation requirements]
- B. Comply with manufacturer's instruction on tools and methods to use for cutting and drilling panels.

Specifier Notes: Coordinate Article below with manufacturer's recommended installation details and requirements.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Finish materials on all ends and sides and ends. Factory finishing is an option.

3.04 PROTECTION

- A. Protection: Protect installed product and finish surfaces from damage during construction.

END OF SECTION

Specifier Notes: Prepare **PART 3 – EXECUTION** of this guide specification for the specific application of the specified Kerfkore architectural woodwork materials. Include text as required to properly specify the installation of the specific application incorporating the Kerfkore bendable panels.

END OF SECTION