PARAMOUNT
Crafting Exquisite Woodwork Since 1984
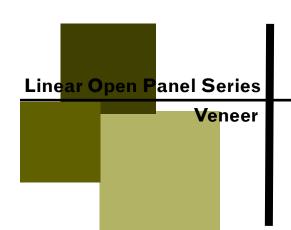
Technical Data Sheet

<u>Table of Contents</u>

A. Product Design

1. Veneer Plank Core

The cores used in Paramount Linear Open Panels are sourced exclusively from Roseburg Forest Products' MDF product line. We will not use particle board in our fabrications due to its susceptibility to twisting, sagging, and warping.

a. Standard

Arries MDF is the standard core for Paramount Linear Open Panels. This product is NAF, meets ANSI A208.2 standards, and has an available EPD.

b. Class A

Mediate MDF is the standard core for Class A Paramount Linear Open Panels. This product is NAF, meets ANSI A208.2 standards, is Guardian Certified, and has an available EPD. This option is available upon request.

2. Veneer

All Paramount Linear Open Panels feature phenolic-backed veneers. The thickness of all veneers surpasses AWI requirements, and a standard 1/32" veneer with a balanced backer will be applied to all products.
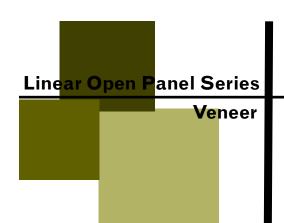
a. Grade

Paramount Linear Open Panels are fabricated using only Grade A veneers with a #1 Grade veneer as a balanced backer. (Typically, the same species is used on the face and backer)

b. Species

Red Oak serves as our most demographically cost-efficient hardwood. Other species are available upon request. Please be advised that additional lead times might exist for non-standard species. Standard species below;

Red Oak	Alder	Hickory	Ash
Soft Maple	European Beech	Mahogany	Doug Fir (VG)
Hard Maple	Pecan	Black Walnut	Natural Narrow Grain Bamboo
Eastern White Pine	American Cherry	Poplar	White Oak

B. Product Design (Cont.)

3. Adhesive
Our Veneers are applied through a cold press technique which uses an Ultra-Low VOC adhesive from Titebond with a Reactive VOC rate of 2.4 g/l.

4. Backers
Paramount Linear Open Panels are built using a standardized backer system. The first backers on both ends, are placed in at 5-1/2", the second placed at 11-1/2" and subsequent backers placed every 12" on center.

a. **Standard (1/2" x 1-1/2 x 12"):** Standard wood backers are ACX structural grade plywood painted black. Alternative colors are available upon request.

b. **Flexible (1/4" x 1-1/2 x 12"):** Flexible backer system incorporates 1/4" thick black PVC strips for flexibility. Alternative colors are available upon request.

B. Product Standards/Options

1. Finish
Paramount exclusively uses Sher-Wood Hi-Bild® pre-catalyzed lacquer finish for all non-intumescent applications. Our manufacturing process incorporates lacquer-based finishes, known for their environmental consciousness, durability, and resistance to yellowing from ultraviolet light.

a. **Standard**

A 20% Satin sheen is standard for all products. This finish is moisture, sol vent, and chemical-resistant. VOC: 5.18 lb/gal, 620 g/L less exempt solvents.

b. **Low VOC**

Sher-Wood LOVOC Lacquer is a nitrocellulose lacquer is formulated to meet federal HAPS regulations and proposed VOC limitations of 1.8 lbs/lb solids. VOC: 4.95lb/gal, 593 g/L 1.62 lbs VOC/lb solids less exempt solvents.

c. **Abuse Resistant**

MagnaMax, a mar and scratch-resistant coating, is an option for all Paramount Linear Open Panels. This product is compliant with world E-1 standards, made with ultra-low formaldehyde, and is HAPS free. VOC: 625 ± 4 g/l or 5.22 ± .1lbs./gal. less exempt solvents.

B. Product Standards/Options (CONT.)

d. Stain Application

When applicable, a Minwax® Performance Series stain is applied using our custom colors or we can color match to achieve desired coloration.

2. Stiffened Chenille Felt

Paramount Linear Open Panels use stiffened felt exclusively from Sutherland Felt Company. This polyester felt with low melt fibers offers continuous coloration throughout the application. This option is available upon request and comes in various colors.

3. Suspension Method

A heavy duty 15/16" T-grid system or an approved wood/metal frame substitute is required to suspend Paramount Linear Open Panels.

4. Sizing Configurations

Paramount Linear Open Panels are fabricated in a standard 12" wide panel. Lengths are available in 95" and 119" (Custom lengths available upon request.)

DH-R95 = (3) 3-1/4" planks with 3/4 felt reveal (4" modular width)
DH-S95 = (3) 3-1/2" planks with 1/2" felt reveal (4" modular width)
DH-T95 = (3) 3-3/4" planks with 1/4" felt reveal (4" modular width)

DH-U95 = (2) 5-1/4" planks with 3/4" felt reveal (6" modular width)
DH-V95 = (2) 5-1/2" planks with 1/2" felt reveal (6" modular width)
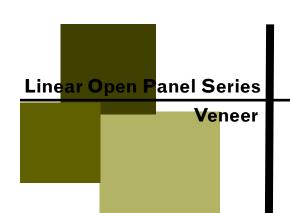DH-W95 = (2) 5-3/4" planks with 1/4 felt reveal (6" modular width)

C. Installation Requirements

1. Hangers

A #12 gauge hanging wire, or steel braided wires are a prerequisite for hanging Paramount Linear Open Panels.

2. Suspension

Paramount Linear Open Panels must be suspended by using a 15/16" heavy duty T-Grid system, or approved frame substitute.

D. Shipping and Storage

Product will be packaged in 52"x98" (length to vary) crates constructed of O.S.B., with plywood reinforced corners. These crates will be attached to solid wood pallets, and will require the use of fork extensions when lifting with a forklift. Crates are approximately 2200lbs. each, and will come at a height of 48". Once unloaded, crates should be inspected for shipping damage, and reported on the BOL with the carrier. Products should be stored in the area of installation, for a period of no less than 72 hours prior to product installation. The interior climate shall not fall outside of the climatic range of 50°-100°F. during this period of acclimation.

E. US Green Building Council Program (LEED v4.1)

LEED credits Paramount Linear Open Panels can provide, if applicable options are selected.

BD+C/BPD&O (Sourcing of Raw Materials) *2 possible points*

Use products sourced from at least three different manufacturers that meet at least one of the responsible sourcing and extraction criteria below for at least 15%, by cost, of the total value of permanently installed building products in the project (1 point).

Use products sourced from at least five different manufacturers that meet at least one of the responsible sourcing and extraction criteria below for at least 30%, by cost, of the total value of permanently installed building products in the project (2 points).
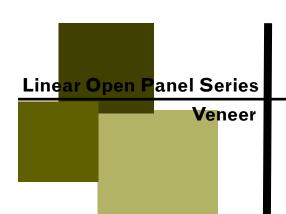
BD+C/BPD&O (Material Ingredients) *1 possible point*

For credit achievement calculation, products sourced (extracted, manufactured, purchased) within 100 miles (160 km) of the project site are valued at twice their base contributing number of products, up to a maximum of 2 products.

BD+C (Low Emitting Materials)- Adhesives and Finish *3 possible points*

At least 90% of all ceilings, by cost or surface area, meet the VOC emissions evaluation, OR inherently non-emitting sources criteria, OR salvaged and reused materials criteria.
The ceilings product category includes all ceiling panels, ceiling tile, surface ceiling structures such as gypsum or plaster, suspended systems (including canopies and clouds), and glazed skylights.

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E. US Green Building Council Program (LEED v4.1) (Cont.)
LEED credits Paramount Linear Open Panels can provide, if applicable options are selected.

BD+C/BPD&O (Environmental Product Declarations) *2 possible points*

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.

BD+C (Low Emitting Materials)- Substrates *3 possible points*

At least 75% of all adhesives and sealants, by volume or surface area, meet the VOC emissions evaluation AND 100% meet the VOC content evaluation. To meet the 100% requirement for VOC content evaluation, a VOC budget may be used.

The adhesives and sealants product category includes all interior adhesives and sealants wet-applied on site.