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I. Description of Components

A. Hangers:

Uses #12 – gauge hanging wire (supplied by installer).

B. Suspension System:

To instal Wood ceiling panels use a heavy duty 15/16" Chicago Metallic T-bar grid system (supplied by installer).

C. Installation Options:

1. Wood backing strips; made from premium grade plywood, painted black, factory applied to back side of panels. The wood furring is typically 1/2" thick, by 1" wide. Attachment occurs with black screws (supplied by installer) through the face of the backing strips and then into T-bar grid. The use of screws allows individual panels to be removed for above ceiling access.

2. Geometrik Backer Clips; used for panels that are required to be demountable. Makes for quick installation.

D. Geopanel Linear Blades:

Made from premium grade natural hardwood or softwoods (as specified for the project), or veneers on a pressed wood substrate core. The blades are finished to customer requirements. The Wood Panels are manufactured in standard or custom sizes as specified.

E. Perimeter Trims:

Perimeter Trims if required are typically supplied by the manufacturer. Standard and custom sizes and configurations are available.

F. Wall Panels:

Geopanel Linear Wall panels are secured to furring strips or metal hat channel with black screws. Screws and furring strips (hat channel) are supplied by the installer Panels also can be installed using standard and commonly available Z-clips.

II. Panel Assembly Configurations:

Geopanel Linear is available in the following configurations:

- Wood Backed (WB)
- Flexible Backer (FB)

III. Wood Selection

A. Wood Species:

Geometrik LINEAR wood panels may be specified in a variety of wood types. Current standard wood species are:

- Alder
- Anegre
- Ash
- European Beech
- Cherry
- Douglas Fir
- Mahogany
- Birch
- Western Cedar
- Natural Maple
- White Maple
- Bamboo
- Red Oak
- White Oak
- Hemlock
- Basswood

Other species are available upon request.

B. Texture:

The standard surface texture is smooth.

C. Color Variation:

Due to the nature of real wood (variation in grain, texture and color) the finished product may range from light to dark affecting the look of the panels.

IV. Wood Finishes

The standard finish is a high grade, 20 sheen, low VOC water-based clear sealer. Water based wood stains are available in a variety of shades. Opaque or semi-transparent color treatments are available with low VOC.

V. Fire Retardancy

Treatment of the Wood Panels with fire retardant materials is available. Factory treated Wood Panels attain a Class 1, or A rating, when tested in accordance with ASTM E-84 and Canadian Standards CAN/ULC S102.

VI. Acoustical Properties

Geopanel Linear Panels are considered transparent to sound. A black acoustically transparent fabric backer can be applied to the back side of Geopanel Grille. Fabric is typically installed between wood backers and wood blades for a clean look. The placement of a fiberglass blanket above the ceiling plane enhances the acoustical value of the ceiling.

VII. LEED & Green Building Standards

Building materials typically considered to be 'green' include lumber from forests that have been certified to a third-party forest standard, rapidly renewable plant materials like bamboo and other products that are non-toxic, reusable, and renewable. Building materials should be extracted and manufactured locally to the building site to minimize the energy embedded in their transportation. Where possible, building elements are manufactured off-site and delivered to site, to maximize benefits of off-site manufacture including minimizing waste, maximizing recycling (because manufacture is in one location), high quality elements, better OHS management, less noise and dust.

As part of our ongoing commitment, we put every effort in preserving our forest for future generations. We actively promote panels made of engineered wood that is environmentally friendly, easy to recycle, made of recycled fiber and have low impact on the environment. Geometrik is offering wood ceiling and wall panels manufactured using environmentally preferable products (EPP) such as low emitting sustainable design fiberboard (SDF) that contains high percentage of pre-consumer recycled fiber and have no added urea formaldehyde. We use low VOC finishes to further contribute to sustainable design.

If specified, Geometrik wood panels can contribute to the following LEED credits:

- ***MR 4 Recycled Content***
  Recycled wood fibre core board is used for veneered products. All Geometrik veneered product can contribute towards this credit.

- ***MR 5 Regional Materials***
  Dependent on product selection and project location.

- ***MR 6 Rapidly Renewable Materials***
  Example: Solid Bamboo.

- ***MR 7 Certified Wood***
  FSC Pure & Mixed Credit Certified – available option.

- ***EQ 4.2 Low-Emitting Materials, Paints and Coatings***
  Geometrik finishes supplied for on-site use are water-based and Low-VOC.
  Geometrik uses a state-of-the-art 100% water-based Low-VOC finishing process.

- ***EQ 4.4 Low-Emitting Materials, Composite Wood and Agrifiber Products***
  No added Urea Formaldehyde cores are used for veneered products.

VIII. Shipping and Storage

Geometrik Wood Panels are generally shipped on 4'-0"W x 8'-0"L pallet with protective cardboard, corner protections and shrink wrap packaging for additional protection. Cardboard safety cones are placed on top of all pallets to ensure no stacking of other pallets occurs.

The Wood Panels should be delivered in original, unopened packages to project site and stored flat and level in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other mistreatment.

Before installing Wood Ceiling Panels; ensure room temperature and moisture content are stabilized a minimum of seventy-two (72) hours prior to installation per AWI Standards. Maintain uniform temperature of minimum 20°C [68°F], and maximum humidity of 55 percent prior to, during, and after Wood Panel installation.

IX. Technical Assistance

Our Geometrik team of experienced professionals are available to assist you in the design and construction phases of your project, whether new construction, or renovation.

For additional information and assistance please contact us at;
Toll Free: 1-888-306-0024 or Fax: (250) 769-1520 or Website: **www.geometrik.com**