



Newline Products, Inc. (NPI)
2901 Technology Drive, Suite 135
Plano, Texas 75074

Company Information

Overview

Newline Products, Inc. (NPI) provides a line of high quality visual communications products at extremely competitive prices to academic, civic, and corporate customers. Our product offering includes porcelain enamel markerboards, chalkboards, and tackboards.

Mission

Customers that do business with NPI are assured that each member of the NPI team is completely committed to deliver on three simple promises.

- We supply the highest quality visual communication products on the market.
- We provide superior value by combining our high quality products with some of the lowest prices in the industry.
- We provide world-class customer service to each customer every day.

Every member of the NPI team is convinced that our continued success is directly related to our ability to deliver on these three promises we make to our customers every day.

Contact Information

Contact us at: Newline Products, Inc. (NPI)
2901 Technology Drive, Suite 135
Plano, Texas 75074
Phone: (972) 881-3318
Fax: (972) 881-0985
E-mail: info@newlineproduct.com

Product Information

To enable our customers to efficiently become familiar with our product offering, we have included the following technical information.

- Product Specifications Document
- Shop Drawings

SECTION 10100

VISUAL DISPLAY BOARDS

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

A. Section Includes:

1. Porcelain enamel markerboards and chalkboards
2. Cork tackboards
3. Vinyl-fabric-faced cork tackboards
4. Colored cork (also known as vinyl-impregnated cork or plastic impregnated cork) tackboards

1.02 REFERENCED STANDARDS

A. American Society for Testing Materials

1. ASTM-E 84 Standard Test Method for Surface Burning Characteristics for Building Materials
2. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wires, Profiles and Tubes.

1.03 SUBMITTALS

- A. Shop Drawings: Provide shop drawings for each type of porcelain enamel markerboard, chalkboard, cork tackboard, vinyl-fabric-faced cork tackboard, and colored cork tackboard required. Drawings should include dimensioned elevations and show all anchors, accessories, layout and installation details.
- B. Product Data: Provide technical data for materials specified. Include Material Safety Data Sheets, when applicable.
- C. Samples and color charts: Provide representative samples of face, core, backing and trim material to illustrate finish, color and texture, as required.
- D. Manufacturer's Instructions: Provide Manufacturer's installation instructions.

1.04 QUALITY ASSURANCE

- A. Provide all items in this section as manufactured by: Newline Products, Inc. (NPI), Plano, Texas 75074, Phone: (972) 881-3318, e-mail: info@newlineproduct.com
- B. Regulatory Requirements: Conform to applicable code for flame/smoke rating in cork tackboards, vinyl-fabric-faced cork tackboards, and colored cork tackboards in accordance with ASTM-E 84.
- C. Operation and Maintenance: Provide Manufacturer's instructions regarding regular cleaning, stain removal, and relevant precautions.
- D. Provide all porcelain enamel markerboards and chalkboards with a factory-installed protective covering designed to be removed after successful installation.

1.05 DELIVERY AND STORAGE

- A. Delivery: Deliver materials in original, unopened, undamaged containers with identification labels intact.
- B. Storage: Store materials upright and in a way to ensure protection from exposure to harmful weather conditions.

1.06 WARRANTY

- A. Provide a written warranty that states the porcelain enamel markerboard or chalkboard writing surface is guaranteed the life of the building in which it is originally installed, provided the Manufacturer's instructions for handling, installation, protection, and maintenance are followed. The warranty covers markerboards and chalkboards that do not retain their original writing or erasing qualities, or exhibit crazing, cracking, flaking or staining. The warranty covers replacement of defective markerboards and chalkboards but does not cover the costs associated with the removal of defective markerboards and chalkboards or the reinstallation of replacement markerboards and chalkboards.
- B. Provide a written warranty that states the natural cork tackboards, vinyl-fabric-faced cork tackboards, and colored cork tackboards are guaranteed for one year against defects in materials and/or workmanship, provided the Manufacturer's instructions for handling, installation, protection, and maintenance are followed. The warranty covers replacement of defective tackboards but does not cover the costs associated with the removal of defective tackboards or the reinstallation of replacement tackboards.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Porcelain Enamel Markerboard and Chalkboard Manufacturer: Newline Products, Inc. (NPI).
 - 1. Contact: Newline Products, Inc. (NPI) 2901 Technology Drive, Suite 135, Plano, Texas 75074; Telephone: (972) 881-3318; Fax: (972) 881-0985; E-mail: info@newlineproduct.com.
- B. Natural Cork Tackboard Manufacturer: Newline Products, Inc. (NPI).
- C. Vinyl-Fabric-Faced Cork Tackboard Manufacturer: Newline Products, Inc. (NPI).
- D. Colored Cork Tackboard Manufacturer: Newline Products, Inc. (NPI).

2.02 MATERIALS

- A. Porcelain Enamel Markerboards: Balanced, high-pressure-laminated, porcelain enamel markerboards of three-ply construction consisting of face sheet, core material, and backing.
 - 1. Face Sheet: 0.024 inch (24 gauge) enameling grade steel especially processed for temperatures used in coating porcelain on steel. Coat exposed face and edges with a 3-coat process consisting of primer, ground coat, and color cover coat. Provide Manufacturer's standard writing surface with gloss finish intended for use with erasable dry markers OR with finish intended for use with chalk writing instruments. Fuse cover and ground coats to steel at Manufacturer's standard firing temperatures, but not less than 1200 degrees F.
 - 2. Core Material: ½-inch thick particleboard core material complying with ANSI A208.1, Grade 1-M-1 requirements, OR ½" hardboard core material, subject to customer specification.
 - 3. Backing Sheet: Either 0.002-inch thick aluminum foil panel OR 0.005-inch thick aluminum foil panel OR 0.015-inch thick aluminum sheet panel, subject to customer specification.
 - 4. Laminating Adhesive: Manufacturer's standard moisture-resistant, thermoplastic-type adhesive.
- B. Natural Cork Tackboards: Balanced, high-pressure laminated, natural cork tackboards of two-ply construction consisting of natural cork face sheet and backing.
 - 1. Natural Cork Face Sheet: ¼-inch thick self-healing natural cork sheet OR 1/8-inch thick self-healing natural cork sheet, subject to customer specification.
 - 2. Backing Sheet: ¼-inch thick hardboard OR 3/8-inch thick fiberboard, subject to customer specification.
 - 3. Laminating Adhesive: Manufacturer's standard moisture-resistant, thermoplastic-type adhesive.

- C. Vinyl-Fabric-Faced Cork Tackboards: Balanced, high-pressure laminated, vinyl-fabric-faced cork tackboards of three-ply construction consisting of vinyl fabric face sheet, cork sheet core material, and backing.
 - 1. Vinyl Fabric Face Sheet: Mildew-resistant, washable vinyl fabric complying with FS CCC-W-408, weighing at least 13-oz./sq. yd.
 - 2. Cork Sheet Core Material: ¼-inch thick self-healing natural cork sheet OR 1/8-inch thick self-healing natural cork sheet, subject to customer specification.
 - 3. Backing Sheet: ¼-inch thick hardboard OR 3/8-inch thick fiberboard, subject to customer specification.
 - 4. Laminating Adhesive: Manufacturer's standard moisture-resistant, thermoplastic-type adhesive.
- D. Colored Cork (also known as vinyl-impregnated cork or plastic impregnated cork) Tackboards: Balanced, high-pressure laminated, colored cork tackboards of two-ply construction consisting of colored cork face sheet material, and backing.
 - 1. Colored Cork Face Sheet: seamless, ¼-inch thick, self-healing ground natural cork compressed with a resinous binder with washable vinyl finish and integral color throughout, laminated to burlap backing
 - 2. Backing Sheet: ¼-inch thick hardboard.
 - 3. Laminating Adhesive: Manufacturer's standard moisture-resistant, thermoplastic-type adhesive.
- E. Accessories
 - 1. Aluminum Trim: Fabricate frames and trim of at least 0.062-inch thick, extruded aluminum alloy with satin clear anodized finish, of proper size and shape to suit the installation. Joints are to be kept to a minimum. Corners are to be mitered to a neat, hairline closure.
 - 2. Markertray/Chalktray: Provide Manufacturer's standard continuous, solid type aluminum tray with ribbed section OR Manufacturer's standard box type aluminum tray with slanted front and injection molded end closures, subject to customer specification.
 - 3. Map Rail: Provide map rail at top of each unit, complete with the following accessories.
 - 1. Display Rail: Provide continuous cork display rail, 1-inch OR 2-inch wide, integral with map rail, subject to customer specification.
 - 2. End Stops: Provide 1 end stop at each end of map rail.
 - 3. Map Hooks: Provide 2 map hooks with flexible metal clips for every 48 inches of map rail, or fraction thereof, subject to customer specification.
 - 4. Flag Holder: Provide 1 flag holder for each map rail, subject to customer specification.
 - 5. Roller Bracket: Provide 2 roller brackets for each map rail, subject to customer specification.

2.03 FABRICATION

- A. Porcelain Enamel Markerboards and Chalkboards: Laminate face sheet and backing sheet to core material under pressure with each substrate having a minimum of 80% coverage with 1.5-2.0 dry mils of laminating adhesive.
- B. Assembly: Provide factory-assembled markerboard and tackboard units, unless field-assembled units are required.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Prior to accomplishing installation, verify that interior moisture and temperature approximate normal occupied conditions.
- B. Verify that wall surfaces are properly prepared and free of dirt, scaling paint, and projections or depressions that would affect the smooth, finished surfaces of markerboards.
- C. Do not proceed with installation until all unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Deliver factory built units completely assembled and of dimensions shown in Manufacturer's shop drawings as approved by Architect. Provide all mounting materials and accessories necessary for complete installation.
- B. Follow Manufacturer's instructions for storage and handling of units.
- C. Install boards level and plumb, keeping perimeter trim straight in accordance with Manufacturer's instructions.

3.03 ADJUSTING AND CLEANING

- A. Verify all accessories have been properly installed and are operating properly.
- B. Clean surfaces and trim in accordance with Manufacturer's recommendations, leaving all boards ready for use.

END OF SECTION 10100