

Guide Specifications

PROJECT ARCHITECT RESPONSIBILITY: This is a general specification guide, intended to be used by experienced construction professionals, in conjunction with good construction practice and professional judgment. This guide is to aid in the creation of a completed building specification that is to be fully reviewed and edited by the architect of record (specifier). Sections of this guide should be included, edited, or omitted based on the requirements of a specific project. It is the responsibility of both the specifier and the purchaser to determine if a product or system is suitable for its intended use. Neither Kenmark Interiors, nor any of its subsidiary or affiliated companies, assumes any responsibility for the content of this specification guide relative to actual projects and specifically disclaims any and all liability for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or other construction related details, whether based upon the information provided by Kenmark Interiors or otherwise.

SECTION 06067 – Plastic and Metal Surfaces Material

PART 1 -- GENERAL

1.01 SUMMARY

- A. Section Include: Plastic and Metal Surfaces Material
- B. This specification refers to High-Pressure Decorative Laminate (HPDL) manufactured by Abet Laminati, Inc. and distributed by Kenmark Interiors.
- C. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 09100 – PLASTER AND GYPSUM BOARD ASSEMBLIES for plaster and gypsum board walls and ceilings.

1.02 PRECONDITIONING

- A. Like wood, high pressure laminate has a grain direction and is dimensional. When humidity changes, the width of the laminate undergoes greater dimensional change than the length, by a ratio of approximately 1.5. As humidity decreases, the laminate sheet contracts and when humidity increases, the laminate expands.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data including certified laboratory test reports and other data required to show compliance with these specifications.
- B. Submit manufacturer's specifications and technical data for high-pressure decorative laminate, including manufacturer's printed maintenance manual.
- C. Samples for Verification Prior to Installation: For each product specified, two samples to illustrate product shade, design and finish. Samples shall be used as a standard for material to be installed.

1.04 QUALITY ASSURANCE

- A. Pre-installation Conference: Conduct conference at Project site to comply with requirements of Division 1.
- B. Installer Qualifications: A firm that has as least three years of experience fabricating and installing high-pressure decorative laminate material and has successfully completed installations similar in size and scope.
- C. Mockup: Provide a mockup for evaluation of installed appearance and workmanship. Installed in designated area for approval of Architect, Engineer or Designer. Approved mockup may remain as part of work.

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1.05 DELIVERY, STORAGE AND HANDLING

- A. Project Conditions: Protect system components from excessive moisture in shipment, storage and handling. Deliver in unopened bundles and store in a dry place with adequate air circulation. Laminate sheets should never be stored in contact with the floor or outside wall.
- B. Storage: High pressure laminate should be stored horizontally with the top sheet face-down and with a protective board on top to protect material from damage and warping. Stored laminate stock should be rotated such that older sheets will be used first. Do not stand panels on end.

1.06 LIMITED WARRANTY

- A. Limited Warranty: Provide manufacturer's warranty against manufacturing defects in material or workmanship, when properly used in accordance to the standards set forth by NEMA LD-3 2000 for a period of 1-year from date of purchase.

PART 2 -- PRODUCT

2.01 HIGH PRESSURE DECORATIVE LAMINATE (HPDL)

- A. Acceptable Manufacturer: Abet Laminati, Inc. and distributed by Kenmark Interiors.
- B. Substitutions: Not permitted.
- C. Request for substitutions will be considered in accordance with provisions of Section 01600.
- D. Basis-of-Design: Decorative laminate is recommended for interior vertical and horizontal decorative applications. Possible uses are cabinet doors, store fixtures, exhibit manufacturer, office furniture, kitchen countertops, columns, slat walls and wall panel systems.
- E. Thickness Availability: 0.80mm (.032") post forming grad up to 1.2mm (0.48")
- F. Standard Size: 51"x120"
- G. Pattern and Finish: As selected from Manufacturer's standard
- H. Pattern and Finish: _____
- I. Balancing: Backer sheets of equal thickness are recommended for use on the back of panel assemblies to protect the substrate from humidity changes and warping.
- J. Not Recommended For: Areas exposed to high temperatures or exterior use. Cookware still hot from the stove or oven should not be placed directly on the laminate surface. While high pressure laminates are heat resistant, exposure to temperatures above 275 degrees F is not recommended.

2.02 ADHESIVES

- A. Contact, semi-rigid (PVAc), or rigid (Urea or resorcinol) adhesives have been found satisfactory for bonding high pressure decorative laminate to core materials. The choice of adhesive is based upon the service for which the assembly is intended and upon the bonding facilities available. In all cases, the adhesive manufacturer's instructions for use should be followed closely. Pressures in excess of 45 psi should not be used, since this could cause a starved glue line or telegraphing of the substrate.

2.03 SUBSTRATES

- A. The high pressure decorative laminate should be bonded to a suitable substrate such as medium-density fiberboard (MDF), high-density fiberboard (HDF), or industrial grade (45 lb density or higher) particleboard (CS-236-66: Type 1, Grade B, Class 2). The following material are not recommended for use: plaster, gypsum board, concrete and plywood.

2.04 BACKER SHEET

- A. Backer sheets are recommended for use on the back of the panel assemblies to protect the substrate from humidity changes and to reduce warpage.

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PART 3 -- EXECUTION

3.01 INSTALLATION

- A. High pressure decorative laminates and substrate should be allowed to acclimate for at least 48 hours at the same ambient conditions. Optimum conditions are approximately 73 degrees F and a relative humidity of 45% to 55%. Provision should be made for the circulation of air around components.
- B. All laminate surfaces shall be inspected prior to lamination to ensure they are sound, clean and free of surface defects. Protective peel coat should be removed prior to inspection.
- C. Material, equipment and workmanship should conform to industry standard practices, conditions, procedures and recommendations as specified by ANI/NEMA LD-3-2000 (Latest Revision), Annex A, Application, Fabrication and Installation (of High Pressure Decorative Laminate); Architectural Woodwork Quality Standards (AWI); and DLPA and ANSI 161.2-1979 Standards.
- D. Decorative laminate should be cleaned with a particle free, clean non-abrasive damp cloth or sponge with a mild soap, detergent or household cleaner. For difficult stains such as coffee or tea use a nylon bristle brush with mild household cleaner or detergent, rinsing with clean water and repeating if necessary. Light scrubbing in a circular motion should remove most difficult stains. For more stubborn stains that resist the above cleaning methods, use acetone (nail polish remover), denatured alcohol, or undiluted household bleach. Do not allow bleach to stand on the surface for more than 2 minutes. Rinse thoroughly with water. Repeat if the surface as not been affected and the stain appears to be disappearing. **PROLONGED EXPOSURE TO BLEACH WILL CAUSE DISCOLORATION OF THE LAMINATE SURFACE.** Never use a sharp object such as knives directly on the surface of decorative laminate. Use a chopping block or cutting board.

SHORT FORM SPECIFICATION

High pressure laminate surface material shall meet or exceed ANSI/NEMA LD-3-2000 (Latest Revision) Standard for High-Pressure Decorative Laminates (HPDL)

Surface shall be High Pressure Decorative Laminate by **Abet Laminati, Inc.**

Supplied by:

Kenmark Interiors | A Decorative Ventures Company | 9865 Chartwell Drive Dallas, Texas 75243
Phone: 214.348.2845

Size: _____

Thickness: _____

Pattern /Finish: _____

END OF SECTION