

**MANUFACTURER**

**ABET Inc.**  
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**PRODUCT DESCRIPTION**

**Basic Uses:** Parqwall is a high pressure laminate (HPL) wall system based on a tongue and groove fastening system, where the aluminum profile is fastened to a wall and/or stud to provide the panel with a corresponding groove. Using a high pressure laminate surface, durability is one of Parqwall's greatest strengths. Due to the many accessory options, Parqwall is an excellent option for retail, office, school, and hospitality interiors and health care applications. Since Parqwall is offered in most ABET HPL colors and patterns with only a 320 square foot minimum, design options are another great attribute of this system.

**Composition:** Parqwall consists of an HDF (high density fiberboard) core with an ABET LAMINATI high pressure laminate surface and a balancing high pressure backer laminate of equal thickness to minimize warpage. The laminates are bonded to the core with a thermosetting adhesive to give superior bond and impact resistance. The panels are supplied with grooved edges to accept the aluminum profiles.

**Limitations:** The specifier must be aware of the systems installation method and panel limitations (i.e. one dimension of the panel should not exceed 2 feet for stability purposes) and lead time. The specifier should consult the ABET LAMINATI sales representative during the design process. Materials must be correctly acclimated within the installation space for a minimum of 48 hours. The environment must be temperature and relative humidity controlled, with the RH in the range of 40% to 60 %, especially during the driest seasons. Extra care must be taken when continuous installation spans exceed 25 feet in either height or length, as materials will expand as humidity increases.

**Colors and Patterns:** Parqwall is available in a range of ABET LAMINATI solid colors, woodgrains, patterns, stones and marbles, and iridescent colors. Check an actual sample for color before specifying.

**Finishes:**

Sei	A smooth textured finish with a moderate reflective value
Soft	A smooth low sheen finish
Lucida	A high gloss finish
Millerighe	A horizontal line embossed finish
Millerighe-2	A horizontal line embossed finish
Cresp	An embossed finish with highlighted pattern
Cresp-2	A raised vertical line embossed finish
Fiber	A fiber inclusion embossed finish
Mandarin	A pebbled textured finish with moderate reflective value
Nutshell	A woodgrain tick embossed pattern
Magna	An embossed stone pattern
Muro	An embossed pattern
Multirighe	An embossed line pattern
Satinata	A brushed metal pattern
Onda	An embossed grooved curve pattern

**Sheet Size:** 23 9/16" x 120" (600 mm x 3050 mm) for standard HPL  
 23 9/16" x 96" (600 mm x 2400 mm) for Printwood Veneers  
 Other sizes are available on request, within the range of available laminate sheet dimensions.

**Panel Thickness:** 5/16" (8mm) +- 4 %

**Total System Thickness:** 11/16" (18 mm) distance from sub-wall or support structure

**Weight:** 1.64 lbs per square foot (8 kg per square meter)

**TECHNICAL DATA**

ABET LAMINATI decorative high pressure laminate is manufactured to conform to the requirements for vertical grade laminate according to ANSI/NEMA LD-3-2005, Standard for High Pressure Laminates, ISO 4586 High Pressure Decorative Laminates, and EN-438 High Pressure Decorative Laminates.

**SURFACE PROPERTIES OF ABET LAMINATI PARQWALL**

NEMA TEST	TYPICAL ABET 8 MM Parqwall Panel	NEMA STANDARD Vertical Grade HPL (VGS)
Light Resistance	No effect	Slight effect
Cleanability (cycles)	9	20 max.
Stain Resistance Reagents 1 – 10	No effect	No effect
Reagents 11 – 15	No effect	Moderate effect
Boiling Water Resistance	No effect	Slight effect
High Temperature Resistance	No effect	No effect
Linear Glass Scratch Resistance	>100 grams	No Requirement
Wear Resistance	750 cycles	400 cycles minimum

**FIRE TEST DATA**

Test data to determine compliance with the International Building Code and the NFPA 101 Life Safety Code are obtained according to ASTM E- 84 Standard Test Method for Surface Burning Characteristics of Building Materials (UL Standard 723 "Test for Surface Burning Characteristics of Building Materials" or NFPA 255 "Method of Test of Burning Characteristics of Building Materials").

**Typical Flame Spread and Smoke Developed Values**

Product Type	Core	Flame Spread	Smoke Developed
8 mm Parqwall	Regular Class C HDF Core	145	400
8 mm Parqwall	FR Class A HDF Core	20	250
8mm Parqwall	FR Class B HDF Core	45	200

## **MAINTENANCE AND CARE**

ABET high pressure laminates have a hard, durable melamine surface and will maintain their attractive appearance longer than most other decorative surfacing materials and requires minimal maintenance. The decorative surface may be cleaned with warm water and a mild soap or detergent using a damp cloth or sponge. Difficult stains can be removed using a mild household cleaner/detergent and a soft bristle brush, repeating as necessary. Do not use abrasive pads, scouring powders or cleansers as they may permanently dull or scratch the laminate surface making it susceptible to staining. Harsh chemicals such as oven cleaner, toilet cleaner, drain cleaner, and acids and alkalis chemicals will etch and discolor the decorative surface. Free copies of our "Care and Cleaning of Laminates Guide" is available.

## **WARRANTY**

ABET, Inc. warrants Parqwall for flatness (within accepted tolerances), absence of delamination, swelling and certain other defects, for the life of the panel. ABET, Inc warrants the Parqwall installation system as used per system installation instructions. Abet, Inc. is not responsible for any claim resulting from misuse, incorrect installation, vandalism, or the buildup of wall and/or room moisture.

## **TECHNICAL SERVICE**

For samples, literature, and technical service assistance, call our toll-free line 800-228-2238 from 8:30 AM to 5 PM, Monday thru Friday (eastern standard time), or visit our web site [www.abetlaminati.com](http://www.abetlaminati.com).