

# Pinger Rigid Vinyl Wall Sheet

## Suggested Specifications

### PART 1 - GENERAL

#### 1.01 SUMMARY

- A. Pinger Rigid Vinyl Sheet for wall protection and decoration
- B. Vinyl Wall panel, Antibacterial, Fired proof, Green and environmental protection, crash proof, wareproof, surface cleanly finished, mould proof, insert prevention, ageing resistant and 100% recycling
- C. Fired proof, medical used antibacterial non phthalate and non harmful vinyl material.

#### 1.02 SECTION INCLUDES

A. Performance Requirements: Pinger Rigid Vinyl Sheet systems that conform to the following requirements of regulatory agencies and the quality control of Wall Protection Systems, Pinger.

1. **Fire Performance Characteristics:**

- Conforms with EN 13501-1 Class B fire rating. Flame Spread and Smoke: Tested in accordance with ASTM E84, **Class A**. Smoke concentration is fully qualified, non-toxic, and exhibits no dripping during combustion.

2. **Fungal and Bacterial Resistance:**

- Manufactured with a silver-ion-infused resin matrix that effectively inhibits surface fungal growth and pathogenic organisms such as *Escherichia coli* and *Staphylococcus aureus*. Tested and certified in accordance with **JIS Z 2801:2010**.

3. **Mould Proof:**

- Rated as **Excellent** under ASTM G21-15. Provides superior moisture-proof and mildew-proof performance, inhibiting the growth of *Aspergillus brasiliensis*, *Penicillium funiculosum*, *Chaetomium globosum*, and *Trichoderma viride*.

4. **Horizontal Burning:**

- Tested in accordance with the procedures specified in UL 94HB (Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self Supporting Plastics in a Horizontal Position).

5. **Impact Strength:**

- Engineered with rigid vinyl profile materials providing high impact

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Resistance (tested to 1kg drop impact) in accordance with **ASTM D256-10EL** and **GB 8624-2012**.

### 6. LEED, LCA & IAQ Compliance & Green Sustainable

- **LEED & Green Building Contribution:** Formulated to support sustainable design credits, contributing directly to **LEED (Leadership in Energy and Environmental Design)** certification requirements for low-emitting materials and recycled content.
- **Life Cycle Assessment (LCA):** Evaluated through a comprehensive Life Cycle Assessment to ensure minimized environmental footprints, optimized resource efficiency, and extended durability that prevents premature replacement waste.
- **FSC & Sustainable Sourcing:** Supporting responsible material lifecycle management and eco-friendly manufacturing frameworks.
- **Zero Toxic Emissions & Formaldehyde-Free:** Contains no hazardous toxic gases; formaldehyde levels meet strict qualification standards with zero off-gassing upon installation.
- **Low-VOC Certifications:** Rigorously tested for TVOC compliance under **ISO 16000-3/-6/-9** and **SGS CA CDPH 01350** standards.

### 7. Chemical Resistance & Stain Proofing:

- Features a robust, waterproof, anti-pollution surface that resists staining and is exceptionally easy to clean. Staining test verified in accordance with **EN 423:2001**.

### 8. ISO Certified Quality Standards:

- Manufactured under **ISO 9001, ISO 14001, and ISO 45001** certified management systems, meeting international emission and quality standards for low-emitting architectural products.

### 9. Chemical and Corrosion Resistance:

- Tested in accordance with **ASTM D543-14, ASTM D2240-15, and ASTM D638-14**. Exhibits a low coefficient of thermal expansion and contraction with minimal dimensional change under varying temperatures. Highly resistant to most acids, alkalis, salts, alcohols, iodine, vegetable oil, and commercial disinfectants.

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### 10. Heavy Metal Free:

- Guaranteed free from lead, cadmium, and other toxic or hazardous heavy metals. Certified compliant under **California Proposition 65 (CA65)** heavy metal testing.

### 11. Durability & Easy Installation:

- Highly durable, wear-resistant, and scratch-resistant surface that prevents dust and dirt accumulation for low-maintenance upkeep. Designed for flexible, quiet, and efficient installation: can be direct-glued to substrates, mechanically secured via steel sub-framing, or installed using modular assembly techniques.

## 1.03 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in unopened factory packaging to the jobsite.
- B. Inspect materials at delivery to assure that specified products have been received.
- C. Store in original packaging in a climate controlled location away from direct sunlight.

## 1.04 PROJECT CONDITIONS

- A. Environmental Requirements: Products must be installed in an interior climate controlled environment.

## 1.05 WARRANTY

- A. Standard IPC Limited Lifetime Warranty against material and manufacturing defects.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURED UNITS

- A. Rigid Vinyl Sheet
  - 1. Thickness  
0.8mm, 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm
  - 2. Size:  
4' x 8' (1.22m x 2.44m) sheet  
4' x 9' (1.22m x 2.8m) sheets  
4' x 10' (1.22m x 3.05m) sheets

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Custom sizes - available

### 3. Surface Finished

Lightly Texture(A),Weave Effect(B),Suede Grain(C),Coarse Texture(D),Matte Smooth(G),Starburst pattern(H),Flax Surface(M),Basket weave(O),Leather Effect(P),Wood Effect(S)

### B. Accessories

#### 1. Vinyl

Top Cap; Length: 9' (2.8m) standard,  
Vertical Divider Bar; Length: 9' (2.8m) standard,  
Inside Corner; Length: 8' (2.44m) standard, 10' (3.04m) available  
Outside corner for .Length: 9' (2.8m) standard,

#### 2. Aluminum

Aluminum Top Cap; Length: 2.8m standard,  
Aluminum Vertical Divider Bar; Length: 2.8m standard,  
Aluminum Inside Corner; Length: 2.8m standard,  
Aluminum Outside Corner; Length: 2.8m standard.

#### 3. Color Matched Caulk

## 2.02 MATERIALS

A. Vinyl: Pinger Rigid Vinyl Sheet shall be manufactured from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added ( plasticizers may aid in bacterial growth).

## 2.03 FINISHES

A. Color or pattern of PinGer® Rigid Vinyl Sheet to be selected by the architect from the PinGer® Rigid Vinyl Sheet finish selection. Surface shall have a velvet texture.

B. Vinyl Accessories: Top caps, inside corners, divider bars and outside corners shall be of a color matching the PinGer.

D. Aluminum Accessories: Top caps, inside corners and divider bars shall be clear anodized.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

A. Examine areas and conditions in which the rigid vinyl sheet will be installed.

1. Complete all finishing operations, including painting, before beginning

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installation of rigid vinyl sheet materials.

B. Wall surface shall be dry and free from dirt, grease and loose paint.

### **3.02 PREPARATION**

A. General: Prior to installation, clean substrate to remove dust, debris and loose particles.

### **3.03 INSTALLATION**

A. General: Locate the Pinger Rigid Vinyl Sheet as indicated on the approved detail drawing for the appropriate substrate and in compliance with the Pinger installation instructions. Install level and plumb at the height indicated on the drawings.

### **3.04 CLEANING**

A. At completion of the installation, clean surfaces in accordance with the IPC clean-up and maintenance instructions.