



1. Product Overview

Product Name: MATT Concrete Wall Panels

Type: Architectural Wall Panels

Finish: Matte

Application: Interior Walls

MATT Concrete Wall Panels are designed to provide a sleek, contemporary finish for indoor wall applications. With a matte texture, these panels offer a minimalist aesthetic, making them ideal for modern architecture, commercial spaces, and residential designs. The panels are highly durable, and provide excellent sound insulation.

2. Material Composition

- **Base Material:** Two Step MDO Plywood
 - **Additives:**
 - **Reinforcement:**
 - **Finish:** Matte, non-reflective surface for a subtle, elegant look
 - **Color Options:** Available in standard gray, black or white
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3. Dimensions & Tolerances

- **Standard Panel Sizes:**
 - 36" x 60"
 - 36" x 96"
 - 36" x 120"
 - 48" x 96"
 - 48" x 120"
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 - **Thickness:**
 - 1/2" (12 mm)
 - **Tolerances:**
 - Length: $\pm 1/8$ "
 - Width: $\pm 1/8$ "
 - Thickness: $\pm 1/16$ "
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4. Performance Specifications

- **Weight:** 2-3 lbs/sq.ft., depending on thickness
 - **Compressive Strength:** 6,000 psi
 - **Flexural Strength:** 1,200 psi
 - **Water Absorption:** Less than 10%
 - **Fire Resistance:**
 - **Thermal Conductivity:** R-value of 0.85 per inch
 - **Sound Insulation:** STC (Sound Transmission Class) rating of 45-50, depending on installation
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5. Environmental Properties

- **Sustainability:**
 - Made with eco-friendly, low-VOC materials
 - Recyclable content
 - LEED (Leadership in Energy and Environmental Design) points eligible
 - **Maintenance:**
 - Easy to clean with water and mild soap
 - Stain-resistant finish ensures long-term appearance retention
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6. Installation Guidelines

- **Mounting Method:**
 - Panels can be affixed to various substrates (e.g., plywood, metal framing) using mechanical fasteners, adhesives, or a combination.
 - Stainless steel or galvanized fasteners recommended for exterior use to prevent corrosion.
- **Panel Joints:**
 - Panels can be installed with open joints for ventilation or butt-jointed for a seamless appearance.
- **Installation Conditions:**
 - Ideal installation temperature: 40°F to 95°F
 - Panels should be handled with care to avoid chipping or cracking during installation.
- **Recommended Tools:**
 - Circular saw with a diamond blade
 - Level and laser-guided measurement tools for precise alignment



- Adhesive trowel for adhesive application, if required
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7. Warranty & Support

- **Warranty:**
 - 1-year limited warranty covering structural integrity and surface finish.
 - **Technical Support:**
 - Installation guides and videos available upon request.
 - Technical team available for consultation on custom installations or challenging environments.
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8. Certifications & Compliance

- **Standards:**
 - Complies with ISO 9001 Quality Management
 - **Environmental Certifications:**
 - GREENGUARD Gold Certified for indoor air quality
 - Eligible for LEED credits for sustainable building practices
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9. Packaging & Delivery

- **Packaging:**
 - Panels are shipped on wooden pallets, wrapped in protective plastic sheeting to prevent moisture absorption.
 - **Lead Time:**
 - Standard sizes: 4-6 weeks from order placement
 - Custom sizes: 6-8 weeks depending on specifications
 - **Storage:**
 - Panels should be stored in a dry, covered area to prevent water damage before installation.
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10. Applications

- **Commercial:**



- Office buildings, retail spaces, and hospitality environments where a modern, clean look is desired.
- **Residential:**
 - Suitable for both interior feature walls and exterior cladding.
- **Public Spaces:**
 - Ideal for auditoriums, schools, and other large public buildings requiring durable, sound-absorbing wall systems.

11. Contact Information

For inquiries or additional information, please contact:

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This product specification provides a comprehensive guide to the features, performance, and applications of MATT Concrete Wall Panels. The panels combine durability with modern aesthetics, making them an excellent choice for various architectural projects.



