

## 1. Product Name

JetProducts Magnesium-Oxide Board

## 2. Manufacturer

JetProducts, LLC  
2207 Concord Pike, #640  
Wilmington, DE 19803  
(877) 453-8868  
www.jet-board.com

## 3. Product Description

### BASIC USE

JetBoard™, JetTrim™, JetSoffit™ and JetBacker™ are U.S. patented water/mold resistant, fire resistant, high-impact construction panels and trim that are well-suited for both interior and exterior applications. Applications include single-family homes, apartment complexes, commercial buildings, schools, hospitals, retail, hotels, restaurants, airports, etc.

### COMPOSITION & MATERIALS

All products produced by JetProducts are manufactured from a combination of magnesium oxide and magnesium chloride and includes fibrous reinforcement. Standard production material includes smooth and textured finishes with standard square edges. All products accept any type of paint and tiling.

### SIZES

- JetBoard™ - Thickness ½"; Size 4'x8'
- JetTrim™ - Thickness ⅞", ¾", 1"; Widths 3.5", 5.5", 7.5", 11.5"; Lengths 10', 12'
- JetSoffit™ - Thickness ¼"; Widths 12", 16", 24" 48"; Lengths 8'
- JetBacker™ - Thickness ½"; Sizes 3'x5', 4'x8' Thickness ¼"; Size 3'x5'

## COLOR

All JetProducts are light tan to cream in color.

## BENEFITS

### Improved Material Composition

- Replaces ordinary Portland cement with magnesium-based cement
  - Built-in mold protection; resistance to water damage and wood boring insects
- Replaces regular cellulose/wood fibers with reinforcing vitreous fibers
  - Increased structural and flexural strength; long-term durability
- Utilizes natural Perlite in the patented product formula
  - Reduced weight and increased fire resistance

### Environment-Friendliness

- Uses 20-40% less fossil fuel to manufacture than conventional Portland cement-based boards
- Deemed to be CO<sub>2</sub> (greenhouse gas) friendly due to the capture of emissions during the manufacturing process that are not released into the atmosphere
- More readily recycled upon demolition or even composted, returning valuable minerals to the soil

### Contractor Safety

- Non-toxic material making it safe when cutting and installing
- Lightweight and more flexible for easy handling
- Manufactured in project-friendly sizes for improved material allocation

## 4. Installation

### PREPARATORY WORK

- Deliver products in manufacturer's original, unopened, undamaged containers with identification labels intact. Store materials flat and protect from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer. Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

### METHODS

- All JetProducts may be scored and snapped, cut, trimmed, drilled or shaped using ordinary power tools. All panels may be fastened to supporting joists using self-drilling, self-countersinking, corrosion protected cement board screws. Each panel and trim product is suitable for painting with no further preparation and is suitable for application of ceramic tile. Either solvent based oil paint or water based latex paint can be used. If the panels are to be directly exposed to rain and weather, apply a prime coat of acrylic-siloxane waterproofing sealer, followed by oil based paint.
- Where JetBacker™ is to be used as a mounting surface for ceramic tile, such as in a bath or shower enclosure, a solvent based tile mastic is recommended. Recommended installation methods for each product and application are available at [www.jet-board.com](http://www.jet-board.com).

**5. Building Codes**

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

**6. Technical Data  
(Applicable Standards)**

- ASTM E72 – Strength
- ASTM E96 – Water Vapor Transmission
- ASTM C518 – Thermal Transmission
- ASTM E2099 – Structural Transmission
- ASTM E331 – Water Penetration
- ASTM D3273 – Mold/Mildew Growth
- ASTM E84 – Surface Burning  
Flame Spread: 0

**7. Technical Services**

Technical assistance, including more detailed information and product literature is available by contacting JetProducts.

**8. Physical / Chemical Properties**

See manufacturer’s MSDS document for detailed information.

**9. Environmental Statement**

All JetProducts utilize magnesium-oxide (MgO) cement for a unique class of “eco-friendly” building products.

Magnesium-based cements possess the following characteristics and benefits to the environment:

- **Energy Conservation:** Magnesium cements use a lower heating temperature during manufacturing than conventional cement thereby using less fossil fuel and conserving precious natural resources.

- **CO<sub>2</sub> Friendliness:** A certain degree of greenhouse gas emissions are captured in the board during the manufacturing process and not released into the atmosphere

- **Sustainability:** The components in MgO cements are far more recyclable than those found in standard Portland cement.

JetProducts pledges to continue its focus on product safety and environmental stewardship while developing new and innovative products and applications to better serve our Customers and the world around us.

**10. Product Safety Statement**

All JetProducts – JetTrim™, JetBacker™, JetSoffit™ and JetBoard™ – meet or exceed applicable federal safety guidelines and warning requirements as enforced by the Consumer Product Safety Commission for the following hazardous materials: asbestos, lead and formaldehyde. All JetProducts that are sold and installed in the USA have been fully tested and do not contain chemicals at concentrations that would require a Proposition 65 warning label. (Proposition 65 requires consumer product warnings for products shipped to California that contain chemicals known to the state of California to include carcinogens or reproductive toxins unless such chemicals are present below established Safe Harbor Levels or are shown to be present in unharmed concentrations.)

The main ingredient of all JetProducts, magnesium-oxide cement is a non-toxic material making it more contractor-friendly than certain other Portland cement-based products.

**11. Maintenance**

None required.

**12. Warranty**

Complete warranty terms and conditions are available from the manufacturer. For details, contact JetProducts at:  
[www.jet-board.com](http://www.jet-board.com).

**13. Availability**

Products are available from approved distributors and installers. Contact manufacturer for information on local availability.