



## MBB PUMP GRADE ADHESIVE & BASE COAT

Master Wall Bagged Base Coat Pump Grade (MBBPG) is a single-component, polymer modified, cement based, dry powder material used as an adhesive and base coat in Master Wall® Continuous Insulated Finish Systems (CIFS®) as well as other Master Wall® Systems where a base coat is required. It is specially designed for use with Base coat mixing and pumping equipment, which mixes, pumps, and sprays MBBPG.

### FEATURES & BENEFITS

- Pump Grade—works with all base coat mixers and pumping equipment
- High initial flow rate
- Leveling coat for Cemplaster Fiberstucco and other stucco products
- Excellent water resistance
- Freeze stable in dry form
- Convenient, mixes with water
- Easy clean up with water

Application Temperature: 40°-110°F (5°-43°C)

Working Time: 1 hour

Set Time: Varies with temperature and humidity

Dry Time: 12 hours at room temperature, working and drying time will vary with temperature and humidity.

### JOB CONDITIONS

Air and substrate temperature for application of MBB Pump Grade must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

### PREPARATION

The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are generally unacceptable without evaluation. Reference Technical Bulletins #173 and #187 for additional information.

#### Coverage per Bag (sf/m<sup>2</sup>)\*

Adhesive & Standard Base Coat:  
50-60 sf (4.6-5.36 m<sup>2</sup>)

Embedding Single-layer of Mesh:  
100-125 sf (9-11.5 m<sup>2</sup>)

Double Layer of Mesh:  
30-110 sf (2.5-10 m<sup>2</sup>)

Notched Trowel Adhesive Application:  
56 sf (5.2 m<sup>2</sup>)

*\*All coverage is approximate and depend upon substrate, details and individual application*

#### Packaging/Shelf Life/Storage

Packaging: 50 lb (22.7 kg) bag

Shelf Life: 1 year

Storage: Protect from weather, high humidity and direct sunlight.

#### Technical Data

- ASTM C297/E2134 - min 30 psi (208 kPa)
- ASTM E96 - 12 perms

## APPLICATION PROCEDURE

Mixing - Add 5 to 6 quarts (4.7-5.7 L) of potable water to a clean plastic pail. Add the MBB Pump Grade slowly while stirring using a heavy-duty 1/2" (12.7 mm) drill at 400 to 500 rpm and a heavy-duty Mixer. Mix thoroughly to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Excessive stirring may cause faster setting and reduced working time. Do not add accelerators or retarders to the MBB Pump Grade mixture.

## APPLICATION

**ADHESIVE APPLICATION** - Over gypsum or Rollershield coated substrates, apply the MBB Pump Grade mixture directly to the back of the insulation board using a 3/8" x 3/8" x 3/8" (9.5 x 9.5 x 9.5 mm) or a 3/8" x 1/2" x 1-1/2" (9.5 x 13 x 38 mm) stainless steel notched trowel. With the trowel at a 45-degree angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates where drainage is not required, you may use the above described notched trowel method or the 'ribbon and dab' method. Using a stainless steel plastering trowel, apply a 2" (50.8 mm) wide by 3/8" (9.5 mm) high ribbon of the MBB Pump Grade mixture around the entire perimeter of the insulation board. Place 8 dabs of the MBB Pump Grade mixture 3/8" (9.5 mm) thick by 4" (102 mm) in diameter approximately 8" (204 mm) on center inside the ribbon.

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no F&M mixture gets into the board joints. Do not allow the MBB Pump Grade mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the MBB Pump Grade mixture directly onto the substrate.

**BASE COAT APPLICATION** - Over insulation board, all imperfections in the board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the MBB Pump Grade mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16" (1.6 mm) for Standard Mesh and 3/32" (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet F&M Plus mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance with Master Wall® specifications. The color of the mesh shall not be visible, but a slight mesh pattern may be visible.

As a leveling coat over approved concrete, masonry, stucco, and other surfaces, apply the MBB Pump Grade mixture over the entire surface a nominal 1/16" (1.6 mm) thick. Where reinforcing mesh is specified, follow application methods for insulation board above.

**Hazard:** This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

**VOC:** Less than 50 g/L.

### Approved Substrates

- Exterior gypsum sheathing (ASTM C1396, C1177)
- Dens Glass Gold®
- GlasRoc®
- FiberBond®
- Gold Bond e2xp®
- Securock®
- Weather Defense Platinum™
- Cement Board (ASTM C1325)
- Durock®
- PermaBase®
- Util-A-Crete®
- ProTEC®, ProGUARD®
- Concrete
- Brick
- Masonry
- Metal Lath - Adhesive Application
- Adheres to Rollershield
- Others approved in writing

**CLEAN UP**

Tools and equipment can be cleaned with soapy water while the MBB Pump Grade is still wet.

**LIMITATIONS**

- Use MBBPG only when surface and ambient temperatures are above 40°F (4°C) during application and drying period.
- MBBPG should not be used on weather exposed horizontal or below grade surfaces or where immersion in water may occur.
- Sloped surfaces: refer to Master Wall® details.
- Do not use as a finish coating.
- Do not use over wood surfaces except for wood sheathing surfaces protected by Rollershield.

**WARNING, THIS PRODUCT CONTAINS SILICA**

If sanding or scraping are performed, ventilate work area and/or use a NIOSH/

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**Health & Safety**

**WARNING!**

Causes eye and skin irritation.  
 Precautionary Statement : Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**FIRST AID MEASURES**

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Store locked up. Dispose of contents/container in accordance with Local, State, Federal and Provincial regulation.

Spills: Collect with suitable absorbent material such as cotton rags.

Disposal: Dispose of in accordance with local, state or federal regulations.

Warning: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY.

Consult the Safety Data Sheet (SDS) in the Products section at masterwall.com for further health and safety information.

**LIMITED WARRANTY**

This product is subject to a written limited material or system warranty. Obtain a warranty from the Tech Support tab of our website. Refer to Specifications for more complete information on proper use and handling of this product.

