

**SECTION 09817**  
**MASTERTOP®**  
*GLAZETITE*  
*INORGANIC WALL COATING SYSTEM*

**NOTE TO SPECIFIER**

The purpose of this suggested specification is to assist the specifier in developing a specification for the use of Master Builders MASTERTOP *GLAZETITE WALL COATING SYSTEM*. Questions regarding the selection, installation, or intended end use of Master Builders materials should be directed to a Master Builders technical representative. This specification is prepared to be a part of a complete project specification.

**PART 1 - GENERAL**

**1.01 Related Documents**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, apply to this section.

**1.02 Summary**

- A. This section specifies a high-build, inorganic, decorative, interior wall coating system that utilizes a clear acrylic finish.
- B. MASTERTOP GLAZETITE is a monolithic wall coating system that can be modified depending upon the agreed to requirements of this project.

**1.03 References**

ASTM D 570-81	Test Method for Water Absorption of Plastics
ASTM D 1864-88	Test Method for Moisture in Mineral Aggregates
ASTM D 2486-79	Test Method for Scrub Resistance of Interior Latex Flat Wall Paints
ASTM D 3363-74	Test Method for Film Hardness by Pencil Test
ASTM D 4263-88	Test Method for Capillary Moisture in Concrete by Plastic Sheet
ASTM E 84-91	Test Method for Surface Burning Characteristics of Building Materials
ASTM E 96	Test Method for Moisture Resistance



**1.04 System Performance Requirements**

- A. Provide an inorganic wall coating system that, when cured, produces the typical following properties:

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>RESULT</u>
Moisture Resistance	ASTM D 570 (GLAZETITE II immersed)	No absorption
Scrubability	ASTM D 2486	No deleterious effects
Pencil Hardness	ASTM D 3363	No scratch when subjected to standard H hardness pencil
Fire Resistance	ASTM E 84	Flame Spread Index: 0 Smoke Developed: 3 Class "I" or "A"
Impact Resistance	Gardner Impact	80 in • lb
Moisture Resistance	ASTM E 96	Average 3 perms indicating GLAZETITE is not a vapor barrier

**1.05 Submittals**

- A. Submit manufacturer's technical data and product literature indicating that the products comply with specified requirements.
- B. Submit two mock-up sample coupons that are representative of the finished wall surface, texture and color.

**1.06 Quality Assurance**

- A. Installer Qualification: Use only an installer that is certified in writing by the wall system manufacturer of having completed a program of instruction in proper methods for preparation of substrate, possible delaminated areas, crack and joint repair and complete wall system installation.
- B. Mock-up: On site, fabricate a panel approximately 100 sq. ft. (10 sq. m) to demonstrate quality of finished wall system, complying with manufacturer's instructions. Install panel where directed by architect/engineer. Maintain panel as a standard of quality for all installations.

**1.07 Delivery, Storage and Handling**

- A. Deliver product in factory packages, clearly marked with manufacturer's identification, printed instructions, lot numbers and shelf life expiration date for each component.
- B. Store materials at 50°F to 90°F (10°C to 32°C) in dry environment away from sunlight, heat, or other hazards.

**1.08 Project Conditions**

- A. Maintain minimum substrate surface temperature of 55°F (12°C) for a minimum of 48 hours before, during and after installation, or until cured.
- B. Substrate must be free of hydrostatic, capillary or moisture vapor pressure. Substrates in contact with ground must have a properly installed, effective vapor barrier to help prevent potential problems resulting from hydrostatic, capillary or moisture vapor pressure. Concrete must contain less than 3% moisture when tested per ASTM D 1864.
- C. Do not apply sealers or membrane curing agents to concrete. Moisture curing of concrete is recommended.
- D. Concretes containing lightweight aggregates are not recommended substrates.
- E. Provide ventilation, lighting and clean, drinkable water supply.
- F. Advise other trades of fixtures and fittings not to be installed until system is cured, such as: radiators, painting, decorating, floor-supported equipment or cabinetwork, caulking, plumbing, fixtures, etc.
- G. Work areas shall be kept free of traffic and no trades shall be permitted in rooms during the application and curing of the coating.
- H. Protect adjacent surfaces from damage resulting from work of this trade. If necessary, mask and/or cover adjacent surfaces, fixtures, equipment, etc. by suitable means.
- I. Gypsum drywall is only suitable for dry areas. Water-resistant Gypsum board is suitable in occasionally wet areas. Install drywall in accordance with drywall manufacturer's directions and with the factory paper bound edge 1/4 inch (6.4 mm) above floor line. Tape and fill joints; fill all fastener heads and other indentations for smooth finished surface.

**PART 2 - PRODUCTS**

**2.01 Materials**

- A. Inorganic/Glaze Wall System: MASTERTOP GLAZETITE system by Master Builders, Inc.

**PART 3 - EXECUTION**

**3.01 Inspection**

- A. Before starting work, ensure that environmental and site conditions are suitable for application and curing.
- B. Inspect surfaces for acceptability of levelness, moisture content, pitch to drains and other critical factors at time of installation.
- C. Report in writing to architect/engineer, with copy to manufacturer, of deficiencies that could impair work. Surfaces must be approved by the Certified Contractor prior to application of the system.

**3.02 Surface Preparation**

- A. Prepare surfaces in accordance with manufacturer's instructions.
- B. Remove concrete laitance by steel shot blasting, grit blasting, or other method approved by manufacturer.
- C. Surface must be clean, sound and dry prior to application.
- D. Pre-fill surface irregularities, holes and cracks in accordance with manufacturer's recommendations.

**3.03 Mixing**

- A. Comply with manufacturer's instructions for mixing procedures.
- B. Pre-mix each component before every batch to ensure uniformity.
- C. Carefully measure and mix the components together.

**3.04 Installation**

- A. Follow manufacturer's written instructions.
- B. Prime entire surface with recommended primer.
- D. Apply coating in accordance with manufacturer's instruction to a total thickness depending upon the agreed to requirements of the installation.
- E. Apply top coat(s) at manufacturer's recommended coverage to provide uniform, dense surface.
- F. Allow proper cure time for each installation step.
- G. Allow the finished system to cure for a minimum of 7 days from completion before putting into service.

**Master Builders, Inc.**

**United States**

23700 Chagrin Boulevard  
Cleveland, Ohio 44122-5554  
(800) MBT-9990  
Fax: (216) 831-6910

**Canada**

3637 Weston Road  
Toronto, Ontario M9L 1W1  
(800) 387-5862  
Fax: (416) 741-7925

**Mexico**

Blvd. M. Avila Camacho 80, 3er Piso  
53390 Naucalpan, México  
011-525-557-5544  
Fax: 011-525-395-7903