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This product guide specification is based on the Construction Specifications Institute (CSI) *Project Delivery Guide*, *Construction Specifications Practice Guide*, *MasterFormat®*, *SectionFormat™*, and *PageFormat™*. This product guide specification is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to master guide specifications and project specifications. Text requiring decisions are indicated by brackets []; delete unused text in the final copy of the specification.

Revise the section number and title to suit project requirements, specification practices and section content. Refer to CSI *MasterFormat®* for other section numbers and titles.

SECTION 09 30 00.23

TILING - MORTAR AND GROUT

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Epoxy mortar and grout for use with tile and stone.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's technical product data including manufacturer's installation instructions.

Specifier Note: Retain paragraph below if grout colors will be selected after award of the contract.

- B. Samples for Initial Selection: Samples, not less than 3 inches long, of full range of grout colors available. Printed colors are not acceptable.

Specifier Note: Retain paragraph below if grout colors are specified in PART 2, or if grout colors will be selected after award of the contract.

- C. Samples for Verification: Assembled samples, not less than 12 inches square, mounted on rigid panel, with grouted joints, for each type of tile or stone and for each grout color.
- D. Special Manufacturer Warranty: Copy of specified warranty.

1.3 QUALITY ASSURANCE

A. Installer Qualifications:

1. Installer is a Trowel of Excellence member of the Tile Contractors' Association of America.
2. Installer employs Ceramic Tile Education Foundation Certified Installers or installers recognized by the U.S. Department of Labor as Journeyman Tile Layers.

B. Preinstallation Meeting: Conduct preinstallation meeting prior to commencing work to verify project requirements, substrate conditions and coordination with other building products, and to review manufacturer's installation instructions and manufacturer's warranty requirements.

1. Representatives of the owner, architect, contractor, tile installer, and any other parties who are involved in the scope of this installation shall attend the meeting.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use.

B. Store materials on elevated platforms, under cover, and in a dry location.

1.5 FIELD CONDITIONS

A. Environmental Limitations: Do not install materials until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated in referenced standards and manufacturer's written instructions.

1.6 WARRANTY

A. Special Manufacturer Warranties: Furnish manufacturer's standard warranty executed by authorized company official.

Specifier Note: Retain one of the following two subparagraphs.

Specifier Note: Retain following subparagraph for extended warranty if a preparation or setting material manufactured by Bostik will also be used for the installation. Refer to the Warranty Duration Table that is a part of the online manufacturer's warranty.

1. System Installation Warranty: Materials will be free from manufacturing defects from the time of purchase and conform to manufacturer's written specifications under normal usage for a period of [five] [ten] [twenty-five] years when applied according to manufacturer's written installation instructions and industry standard guidelines. If the nature of the defects of the products specified by this Section warrants, the warranty will include materials and labor for the replacement of the installation. Refer to manufacturer's warranty for specific details.

Specifier Note: Retain following subparagraph if preparation and other setting materials used for the installation will not be manufactured by Bostik.

2. Grout or Mortar Only Warranty: Materials will be free from manufacturing defects from the time of purchase and conform to manufacturer's written specification under normal usage for a period of one year when applied according to manufacturer's written installation instructions and industry standard guidelines. If the nature of the defects of the products

specified by this Section warrants, the warranty will include materials and labor for the replacement of the installation. Refer to manufacturer's warranty for specific details.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Manufacturer: Bostik, Inc., 11320 West Watertown Plank Road, Wauwatosa, WI 53226, Telephone: 800.726.7845, Fax: 414.774.8775, Inquiry: inquiry@bostik-us.com, Website: www.bostik.com/us.

2.2 MORTAR AND GROUT

Specifier Note: Retain paragraph below for proprietary method specification. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural and regulatory) and assignment of responsibility for determining "or equal" products.

- A. Product: EzPoxy™ EzClean™.
1. Description: Multiple component, chemical resistant, water cleanable, 100 percent epoxy mortar and grout.
 2. Physical Properties: When tested according to ANSI A118.3:
 - a. Compression: Greater than 5,000 psi.
 - b. Water Absorption: 0 percent.
 3. VOC Content: As calculated according to SCAQMD Rule 1168:
 - a. Part A: 67 g/L.
 - b. Part B: 0 g/L.
 - c. Sand/Colorant: 0 g/L.

Specifier Note: Select and retain one of the following subparagraphs.

4. Color: Silver Bullet - H168.
5. Color: Storm - H198.
6. Color: Timber - H199.
7. Color: Lunar - H196.
8. Color: Steel - H200.
9. Color: Clay - H197.
10. Color: Jamoca - H162.
11. Color: Char Black - H139.
12. Color: Portabella - H184.
13. Color: Misty Gray - H144.
14. Color: Alabaster - H189.
15. Color: Delorean Gray - H160.
16. Color: French Gray - H142.
17. Color: Summer Wheat - H150.
18. Color: White - H152.
19. Color: Sand Beige - H148.
20. Color: Mobe Pearl - H145.
21. Color: Alpine White - H183.
22. Color: Taupe - H151.
23. Color: Champagne - H138.

24. Color: Almond - H153.
25. Color: Latte - H192.
26. Color: Classic Bone - H158.
27. Color: Flash Walnut - H141.
28. Color: Antique White - H135.
29. Color: Linen - H163.
30. Color: Brick - H136.
31. Color: As selected by Architect from manufacturer's full range of colors available.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions where materials will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions, including product technical bulletins and product package instructions.

3.3 INSTALLATION

- A. Comply with ANSI A108 and manufacturer's written instructions, including product technical bulletins and product package instructions.
- B. Install materials according to TCNA Installation Method [].
- C. Mixing: Mix Part A, Part B, and sand/colorant for grout, in quantities and for amounts of time according to manufacturer's written instructions.
- D. Mortar Procedure:
 1. Apply thin coat of material to substrate with flat edge of trowel, and then apply additional mortar with the appropriate notched trowel.
 2. Apply mortar to an area no greater than can be tiled in amount of time recommended by manufacturer.
 3. Apply tile using a twisting motion to ensure maximum contact and bond; check periodically.
 4. Apply materials to achieve mortar thickness recommended by manufacturer.
- E. Grouting Procedure:
 1. Lightly dampen tile before grouting.
 2. Spread grout over face of tile using the type of float recommended by the manufacturer.
 3. Work grout back and forth at 45 degree angle to the face of tile to ensure complete filling of joints.
 4. On completion of grouting, clean surfaces according to manufacturer's written instructions so they are free of foreign matter.
 5. Allow to cure.

3.4 PROTECTION

- A. Limit foot traffic over installation according to manufacturer's written instructions.

END OF SECTION