

SECTION 09 75 00

ENGINEERED STONE WALL PANEL

This document is intended to note the Owners Design Requirements (ODR) for the titled specification section. Design professional to review and integrate ODR into the project's technical specifications. This ODR document should not be viewed as a standalone technical specification.

PART 1 - GENERAL REQUIREMENTS

- ◆ MOCK-UPS
 - Construct agglomerate tile wall mockup, eight (8) feet long by four (4) feet high, including mortar set wall panel, corner conditions and typical grout joint.
 - Locate where directed by OWNER.
 - Mockup may not remain as part of the Work.
- ◆ PRE-INSTALLATION CONFERENCE
 - Convene one week prior to commencing work of this section.
 - Include representatives of tile manufacturer, tile installer and tile setting material manufacturer as well as OWNER and CONTRACTOR.
- ◆ 1.9 ENVIRONMENTAL REQUIREMENTS
 - Do not install adhesives in a closed, unventilated environment.
 - Maintain temperature during installation at not less than 40 degrees F or more than 90 degrees F, and for 24 hours after completion.
- ◆ 1.10 SEQUENCING AND SCHEDULING
 - Coordinate work with CONTRACTOR and all related trades, including, but not limited to, suppliers of doors, windows, ceilings, ceramic tile, acoustical panels, etc.
- ◆ 1.11 EXTRA MATERIALS
 - Furnish 100 sq. ft. of each type of tile specified.
- ◆ 1.12 WARRANTY
 - CONTRACTOR warrants work of this Section to be in accordance with Contract Documents and free from faults and defects in materials and workmanship for a period of 5 years.
 - Manufacturer of installation systems, adhesives, and grouts shall provide a comprehensive written five (5) year warrantee against defective products which covers replacement materials and labor costs for demolition, panel accessories, and installation systems. Have the warranty countersigned by the installer and manufacturer.

PART 2 - PRODUCTS AND MATERIALS

- ◆ TILE MANUFACTURER
 - Quarella
- ◆ TILE MATERIAL
 - Engineered Stone Wall Panels as manufactured by Quarella. Diamastone panel is available through Quarella Inc. (833) 361-3194.
 - Wall panels shall contain quartz based silica aggregate (96 percent chips) with polyester resin bonding agent (4 percent resin). Panels shall meet the following criteria:
 - Compressive Strength: 32,304psi minimum (ASTM C170).
 - Modulus of rupture: 6,964 psi minimum (ASTM C99).
 - Water Absorption: 0.02 percent maximum (ASTM C97).
 - Diamastone color reference "San Zeno".
 - Wall panels shall have polished finish.

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- All material shall have eased edges.
- All exposed edges shall be finished to match material face.
- Wall panel thickness: 1/4 inch where installed with mortar.
- ◆ SETTING MATERIALS
 - Wall Setting Mortar: Mapei "Grani/Rapid" meeting ANSI A118.4 fast-set requirements. Two-Component system consisting of "Grani/Rapid" flexible latex additive (KER 318) and "Grani/Rapid" hydraulic mortar (KER 130 white).
 - Grout: Mapei "Kerapoxy" two-component, 100 percent epoxy, chemical and stain resistant grout. Meeting requirements of ANSI A118.3. Color to be #11 Snow White (Custom Building Products).
 - Tile and Grout Sealant: As recommended by tile manufacturer. All tile and grout shall be sealed.
 - Setting Material approved manufacturer: Mapei, or equal.

PART 3 - EXECUTION

N/A

END OF SECTION