

CSI Spec: 09 3095 Concrete LITE™ Panels

CONCRETE WALL PANELS

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

- a. Use of low-VOC, E0 Compliant, and CARB compliant components, adhesives and finishes in manufacturing production process.
- b. Prior production of material for no less than 3 years.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver wall tile/paneling to project site, or fabrication site, not less than 5 days prior to start of installation (to allow for suitable acclimation). Open boxes to increase acclimation.

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces, flooring and adhesive must be maintained at normal occupancy temperature and humidity levels (HVAC working) for minimum of 48 hours prior to installation.

1.06 WARRANTY

A. Special Warranty:

1. Sustainable Materials' Structural Warranty: 10 years against delamination or separation as a result of a manufacturing defect when installed and maintained in accordance with manufacturer's installation instructions.

PART 2 – PRODUCTS

2.01 Distributor

Distributor (North America):
Sustainable Materials LLC
5403 Western Ave #C
Boulder, CO 80301
USA

Tel: (720) 449-3063
e-mail: info@sustainablematerials.com
Website: <http://www.sustainablematerials.com>

- A. Concrete LITE™ (select one, or multiples based on design):
 - a. Flex
 - b. Sandblasted
 - c. Sculpted
- B. Colors (select one, or multiples based on design):
 - a. Alabaster
 - b. Almond
 - c. Charcoal

- d. Dark Grey
- e. Light Grey
- f. Silver
- g. Smoke
- h. Terracotta

C. Substitutions: None Permitted.

2.02 MATERIALS

A. Concrete LITE™:

1. Raw Materials: Mineral Aggregates

2. Size:

- a. Flex
 - a. 1220mm x 60mm x 3mm (approx. 48" x 24" x 1/8")
 - b. Note: Custom sizes available up to 4' wide x 12' long)
- b. Sandblasted
 - a. 1220mm x 60mm x 3mm (approx. 48" x 24" x 1/8")
 - b. Note: Custom sizes available up to 4' wide x 12' long)
- c. Sculpted Bump
 - a. 1220mm x 60mm x 3mm (approx. 48" x 24" x 1/8")
 - b. Note: Custom sizes available up to 4' wide x 12' long)
- d. Sculpted Wave
 - a. 1220mm x 60mm x 3mm (approx. 48" x 24" x 1/8")
 - b. Note: Custom sizes available up to 4' wide x 12' long)
- e. Sculpted Ripple
 - a. 1220mm x 60mm x 3mm (approx. 48" x 24" x 1/8")
 - b. Note: Custom sizes available up to 4' wide x 12' long)

3. Physical Property Performance Requirements:

- a. Composition: Mineral Aggregates with Acrylic Binder [*see MSDS sheet*]
- b. Flexibility: Inside Test - Minimum Bend radius of 100mm
- c. Surface Resistance to Chemical agents (per EN 13442:2013): 2A
- d. Scratch Resistance (per EN 15186;2012): D
- e. Fire-rating (per ASTM E84): CLASS A

B. Installation Adhesive: Wakol Loba MS 262 Trowel urethane adhesive

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrate(s) to which Organic Blocks will be applied:

- 1. Components must be clean, dry, and free of contamination that would interfere with adhesive bond.
- 2. Drywall or other wall substrate will need 'priming' (or sealing) to ensure suitable bond with contact cement

B. Verify that HVAC system is operating and maintaining occupancy level temperature and humidity conditions.

C. If either of the above needs attention, coordinate with responsible entity to correct unsatisfactory conditions.

3.02 PREPARATION

- A. Acclimatization: Open all Concrete LITE™ packaging to allow the material to acclimate for a minimum of 72 hours prior to the start of the installation.
- B. Fix substrate if needed (as per Examination needs and those relating to the adhesive bond per the instructions of the adhesive selected for use).

3.03 INSTALLATION

- A. Find Center: using a chalk line, find the symmetrical axes of the wall sides to determine starting point. Measure from the middle to ensure that the edge pieces (those against the adjacent walls) are identical in size and greater than 2" in width.
- B. Follow the Manufacturer's installation instructions of the selected adhesive. Recommended adhesives: Wakol Loba MS 262 adhesive from Sustainable Materials.
- C. Install in pattern suitable based on specification plans.
- D. Press panels into place (per adhesive Manufacturer's instructions and dry time requirements)

3.04 CLEANING and MAINTENANCE

- A. Clean and maintain in accordance with guidelines presented in Installation Guidelines.

With any questions, or for this in a digital format, contact:

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