

Suberwall™ - CSI Specs.

SUBERWALL™ WALL PANELS

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

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

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver wall paneling to project site, or fabrication site, not less than 3 days prior to start of installation (to allow for suitable acclimation).

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces, Suberwall™ 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 finished and maintained in accordance with manufacturer's installation instructions.

PART 2 – PRODUCTS

2.01 MANUFACTURER/DISTRIBUTOR

Sustainable Materials
5403 Western Ave Unit C
Boulder, CO 80301

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

A. Suberwall™

1. Natural
3. Leather
4. Green
5. Brown
6. Champagne
7. Ivory
8. Deep Indigo
9. Dark Grey
10. Taupe
11. Terracotta
12. Black

B. Size: 600mm x 450mm

C. Thickness: 4mm, 6mm, or 9mm (4mm is the standard thickness)

D. Substitutions: None Permitted.

2.02 MATERIALS

A. Suberwall™:

1. Species: Cork

2. Physical Property Performance Requirements:

- a. Composition: 100% cork (natural and agglomerated)
- b. Dimensional Stability: $\leq 0.4\%$ (per EN 434)
- c. Thermal Resistance: $0.0572\text{m}^2\text{K/W}$
- d. Thermal Conductivity: 0.047 Kcal/mhc (per EN 12781/EN 15102)
- e. Sound Absorption: 0.100 (per EN 12781/EN 15102)
- f. Reaction to fire (per EN 13501-1):
 - a. Class E-s2 (Wax Finish)
 - b. Class D-s1 (Varnished)
- g. Smoke Density: Specific Optical Density (per ASTM E 662 and NFPA 258)- Flaming: 148, Non-flaming: 272
- h. Water Vapor Transmission: $0.128\text{ grains/h ft}^2$

B. Adhesive (for installation): water-based contact cement

C. Finish: (prefinished products are applied at factory)

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrate(s) to which Suberwall™ material will be applied:

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

B. Verify that HVAC system operates and maintains occupancy level temperature and humidity conditions.

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

3.02 PREPARATION

A. Acclimatization: Open all Suberwall™ packages and allow 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 for the selected adhesive.

C. Install in a "brick" bond pattern (staggered edges).

D. Press tiles into place (per adhesive Manufacturer's instructions and dry time requirements)

E. See Sustainable Materials Installation Instructions for further details.

3.04 CLEANING and MAINTENANCE

A. Clean and maintain in accordance with “finish” Manufacturer’s recommendations (see Care and Maintenance Section on Installation Instructions)

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

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