

Sustainable Flooring - CSI Spec. for ReCover™

ReCover™ Organic Flooring

PART 1 – GENERAL INFO

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

- a. Manufacturing of PVC-free flooring
- b. Use of Organic Polyols in replacement of Petroleum Polyols in the manufacturing of products.
- c. Greenguard GOLD and REACH certifications.

2. Installer Qualifications:

- a. Minimum three years' experience with the installation of resilient tile and sheet material in commercial installations.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver flooring to project site in original PACKAGING not less than 5 days prior to start of installation.

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces, flooring and adhesive must be maintained at normal occupancy temperature and humidity levels for minimum 3 days prior to installation.

1.06 WARRANTY

A. Special Warranty:

Warranty: 10 year Commercial Warranty against any 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 MANUFACTURER

- A. Vorwerk & Co. Teppichwerke GmbH & Co. KG
Kuhlmannstr 11
31785 Hameln
Germany

Distributor (US):
Sustainable Flooring, Inc.
5403 Western Ave #C
Boulder, CO 80301
USA

Tel: (303) 544-6076
e-mail: info@sustainableflooring.com
Website: <http://www.sustainableflooring.com>

B. ReCover Organic flooring:

1. ROLLS

i. Product line:

1. UNI

- a. Sparkling White (U001)
- b. Sparkling Grey 2 (U002)
- c. Sparkling Grey 3(U003)
- d. Sparkling Grey 4 (U004)
- e. Sparkling Grey 5 (U005)
- f. Sparkling Green (U008)
- g. Sparkling Turquoise (U010)
- h. Sparkling Emerald (U012)

2. PRINT (rolls)

- a. Digital Code 1
- b. Digital Code 2
- c. Endless Wood 1
- d. Endless Wood 2
- e. Endless Wood 3
- f. Endless Wood 4
- g. Raw Diamond 1
- h. Raw Diamond 2
- i. Raw Diamond 3
- j. Raw Diamond 4
- k. Volcanic Dash 1
- l. Volcanic Dash 2
- m. Volcanic Dash 3
- n. Volcanic Dash 4
- o. USED – Warm Grey
- p. USED – Dark Brown
- q. USED – Dark Shade

ii. Size: 2.5mm x 2m x 20m
[ie: 0.1" (thickness) x 78.74" (width) x 65.62' (length)]

iii. Substitutions: None Permitted

2. TILES

i. Product line

1. PARTS

- a. LINE – Dark Shade
- b. LINE – Greyish Brown
- c. LINE – Whitewash
- d. FINE – Cognac Blond
- e. FINE – Light Nature
- f. FINE – Whitewash
- g. ROUGH – Light Nature
- h. ROUGH – Dark Shade
- i. ROUGH – Dark Brown
- j. MARK – Cognac Blond
- k. MARK – Dark Brown
- l. MARK – Light Nature
- m. MARK – Blue Light
- n. PEARL – Light Nature
- o. PEARL – Silver
- p. PEARL – Dark Brown

- q. POUR – Whitewash
- r. POUR – Sand
- s. POUR – Arctic Night
- t. POUR – Warm Grey
- u. MOON – Silver
- v. MOON – Sand
- w. MOON – Dark Brown
- x. ROPE – Violet
- y. ROPE – Blue Night
- z. ROPE – Whitewash
- aa. ROPE – Warm Grey
- bb. ROPE – Black

ii. Sizes

1. Parquet: 2.5mm x 20cm x 120cm (ie: 0.1" x 7.87" x 47.24")
2. Tile: 2.5mm x 40cm x 60cm (ie: 0.1" x 15.75" x 23.62")
3. Panel: 2.5mm x 50cm x 100cm (ie: 0.1" x 19.69" x 39.37")

iii. Substitutions: None Permitted

2.02 MATERIALS

A. ReCover Organic Flooring

i. Composition: Bio-polyurethane made from regenerative castor and rapeseed polyols

ii. Physical Property Performance Requirements:

- A. Residual Indentation (EN 433): 0.05mm
- B. Dimensional Variation after heat exposure (EN 434): $\leq 0.1\%$
- C. Fire-resistance (as per EN 13501-1): Class C(fl-sI)
- D. Slip Resistance (DIN 51130): R9/GS1
- E. Wear resistance behavior (EN 660-2): Group T
- F. Coefficient of Friction (EN 13893): DS (> 0.3)
- G. Cigarette Burn Resistance (EN 1399): Resistant
- H. Light fastness (ISO 105-802): ≥ 7
- I. Thermal Resistance (ISO 8302-1991-08): 0.01 m²K/W
- J. Castor Chair (EN 425): Type W
- K. Impact Sound Reduction improvement (DIN EN 10140): 4dB
- L. Effect of Furniture leg (EN 424): No damage

iii. Certifications:

- A. Greenguard GOLD (Children and Schools)
- B. REACH
- C. LEED
- D. Blue-Angel/TUV Profi Cert (Germany)
- E. A+ (France)
- F. M1 (Finland)

B. Installation Adhesives:

1. Loba Wakol D3540

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates upon which flooring will be installed.

1. Verify that subfloor is clean, dry, and free of contaminants that would interfere with adhesive bond.

2. If installing on concrete: Test concrete floors for moisture content using a Calcium Chloride test or Tramex Moisture Encounter meter. Do not install flooring if vapor pressure exceeds 3 lbs per 1,000 sq. ft. (15 g per m²) in 24 hours.

a. In multiple story buildings, test each floor level where cork flooring will be installed.

b. Mark test location(s) on As-Built Drawings.

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

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

3.02 PREPARATION

A. Acclimatization: Open all cartons, and let acclimate for a minimum of 3 days, in a space that has been at equilibrium for at least a week prior (see Installation Instructions for particulars)

B. Substrate: Fix the substrate so that all bumps and depressions are completely leveled for the 'glue-down' application, and ensure bumps and depressions are less than 1/8" over 8 feet for the 'floating' installation applications.

C. Moisture barrier protection: Ensure a suitable 'moisture/vapor' barrier is installed between the substrate and flooring material (see Installation Instructions for particulars)

3.03 INSTALLATION

Pre-installation preparation (Storage and Handling): Store the opened planks at room temperature for at least 72 hours prior to installation, at a consistent level where the Relative Humidity and Temperature will prevail when the building occupied. The operating conditions must be held between 65-82° and between 35-65% Relative Humidity – before, during, and after the installation.

1. Before laying the floor ensure the material being installed is within parameters (color, clarity, finish, etc.), as well as ensure that the subfloor and site conditions are as required. If any of these conditions are not met, immediately stop in the installation process, and either contact your supplier, or the party in charge of and overseeing the installation site.

2. Cut all doorframes 2mm above the finished (ie: installed) product height (to allow for the movement of the floor).

3. Visually determine where you will start the installation, and the direction you will run the planks. Generally, it is common to lay the planks following the direction of the light.

4. Apply adhesive (recommended: Loba Wakol D3540) using a roller to subfloor, as well as the back of the planks. Follow adhesive manufacturer's directions for use (inclusive of set time, cure time, clean-up, etc.).

5. Once the adhesive is completely dry (tacky to the touch – and transparent; often between 45-60 minutes), you can begin laying the panels.

6. Lay the planks in a random or predetermined stagger pattern, pressing the tiles in place with either a rubber mallet or hand roller once it is positioned in the right spot.

7. Throughout the process, and then once again after all the planks are installed, roll the floor with a 100 lb. roller – to ensure all edges and seams have effectively bonded to the substrate.

3.04 MAINTENANCE

A. Cleaning: Sweep or vacuum floor frequently to avoid build-up of abrasive particles. Regular mopping is also suggested to keep the floor surface free of dirt and grit. Use a WELL wrung out damp mop (using either just water, or a mixed solution of vinegar and water – one cup of vinegar per gallon of water). If the cleaning solution you are using does not evaporate within minutes, you are using too much.

B. Spills: Clean up spills and excess water immediately. Never flood the floor surface with any liquid or use harsh abrasive cleaners.

C. Furniture: Furniture foot pads are recommended to prevent indentations caused by high point loads.

D. Entrance Mats: Entrance mats are recommended in order to keep dirt and moisture from encountering the floor.

3.05 PROTECTION

A. Cover installed flooring with heavy kraft-paper or other suitable covering. Do not use non-breathable sheet or film that could cause condensation to form. Maintain covering throughout remainder of construction period.

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

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