

SECTION 09 68 13 – MODULAR CARPET TILE

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes modular carpet tile, adhesives, and accessories for complete installation.

1.2 REFERENCES

A. ASTM E648 – Critical Radiant Flux

B. ASTM E662 – Smoke Density

C. ASTM D2859 – Surface Flammability (Pill Test)

D. CRI 104 – Standard for Installation of Commercial Carpet

E. CRI Green Label Plus – Indoor Air Quality Certification

1.3 SUBMITTALS

A. Product Data: Manufacturer's technical data for carpet tile, backing, adhesives, and installation instructions.

B. Samples:

One full-size 24×24 tile of selected colorway.

C. Maintenance Data: Cleaning, spot-treatment, and recommended equipment.

D. Certifications: CRI Green Label Plus, fire test data, warranty.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Minimum 3 years commercial carpet tile experience.

B. Regulatory Requirements: Carpet shall meet Class I per ASTM E648 and smoke density <450 per ASTM E662. C. Mockup: Provide minimum 25 sq ft demonstrating installation pattern and seam appearance.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original, unopened packaging with manufacturer's labels.

B. Store indoors, protected from moisture, temperature extremes, and direct sunlight.

C. Acclimate carpet tile and adhesives minimum 48 hours at project temperature.

1.6 PROJECT CONDITIONS

A. Maintain ambient temperature between 65–85°F and relative humidity between 30–65% during installation.

B. Substrate moisture and pH shall comply with manufacturer's limits for adhesives and backing.

1.7 WARRANTY

A. Provide manufacturer's **15-year commercial limited warranty** covering wear, edge ravel, delamination, and dimensional stability.

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Basis of Design:

Shaw Contract – Encounter Collection; Style Fragment (5T460)

2.2 CARPET TILE

A. **Style:** Fragment (5T460)

B. **Construction:** Multi-level pattern loop

C. **Fiber:** 100% **EcoSolution Q® nylon**, solution-dyed

D. **Tile Size:** 24 in × 24 in (61 × 61 cm)

E. **Tufted Weight:** 15 oz/yd²

F. **Pile Thickness:** 0.096 in

G. **Total Thickness:** 0.212 in

H. **Gauge:** 1/10 in

I. **Density:** 5625 oz/yd³

J. **Primary Backing:** Synthetic

K. **Secondary Backing:** StrataWorx® Tile

L. **Protective Treatment:** SSP® Shaw Soil Protection

M. **Color:** As scheduled County.

2.3 PERFORMANCE REQUIREMENTS

A. Critical Radiant Flux (ASTM E648): **Class I**

B. Smoke Density (ASTM E662): <450

C. Electrostatic Propensity: <3.5 kV

D. Pill Test (ASTM D2859): Pass

E. ADA SCOF: ≥0.6 F. CRI Green Label Plus: Certified (GLP1263)

2.4 ADHESIVES

A. Acceptable Products (per Shaw):

1. Shaw 3000
 2. Shaw 3800
 3. Shaw 4151
 4. Shaw 4252
 5. Shaw 5000
 6. LokDots or LokWorx Tabs (pressure-sensitive tab system)
- B. Adhesives shall comply with VOC limits per SCAQMD Rule 1168.

2.5 ACCESSORIES

- A. Transition Strips: As required for adjacent flooring types.
- B. Leveling/patching compounds: Non-shrinking, compatible with adhesives.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify substrates are clean, dry, smooth, and free of contaminants.
- B. Report on conditions preventing proper installation.

3.2 PREPARATION

- A. Remove existing flooring, adhesives, and debris.
- B. Fill depressions and level substrate to manufacturer tolerances.
- C. Vacuum substrate thoroughly.

3.3 INSTALLATION

- A. Install carpet tile per **CRI 104** and manufacturer's instructions.
- B. Layout:
1. Installation pattern as indicated: **Monolithic, Quarter-Turn, Brick, or Ashlar.**
- C. Maintain consistent directional arrows on tile backing.
- D. Fit tiles tightly without compression; ensure uniform joints.
- E. Roll floor with 75–100 lb roller where required by adhesive manufacturer.

3.4 FIELD QUALITY CONTROL

- A. Replace tiles with visible defects, damage, or improper alignment.
- B. Ensure no telegraphing, rocking, or loose corners.

3.5 CLEANING AND PROTECTION

- A. Remove installation debris and vacuum entire area.
- B. Protect finished carpet from construction traffic with breathable coverings.
- C. Do not use plastic sheeting.

END OF SECTION 09 68 13