



## SECTION 09 65 19

### RESILIENT TILE FLOORING

#### **PART 1 – GENERAL INFORMATION**

##### **1.01 SUMMARY**

- A. This section deals with resilient flooring found in the drawings and schedules of the contract that meet the requirements of this section.

##### **1.02 RELATED SECTIONS**

- A. Section 3 – Cement: not covered in this section.
- B. Section 6 – Wood and plastic: not covered in this section.
- C. Section 7 – Thermal and humidity protection: not covered in this section.
- D. Section 9 – Other sections containing information related to floor finishes: not covered in this section.

##### **1.03 REFERENCES (INDUSTRY STANDARDS)**

- A. ASTM F 710: Practice for Preparing Concrete Floors to Receive Resilient Flooring.
- B. ASTM E 648: Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- C. ASTM E 662: Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- D. ASTM F 1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- E. ASTM F 2170: Determining Relative Humidity in Concrete Floor Slabs Using in Situ Probes.

##### **1.04 ITEMS TO DELIVER**

- A. Provide the product's Technical Specifications data sheet as well as all installation and maintenance instructions.
- B. When required, supply floor drawings and installation plans.
- C. Supply a set of samples measuring at least 3 in. (7.5 cm) by 6 in. (15 cm) of the complete range of colors and finishes chosen for the project.
- D. When required, provide Mohawk Group's attestation, certified by an independent laboratory, confirming that the flooring complies with the fire standards of the following tests:
  - 1. ASTM E 648; Critical Radiant Flux: 0.45 watts/cm<sup>2</sup> or more
  - 2. ASTM E 662; Smoke Density: 450 or less.
- E. Provide Mohawk Group's Warranty Certificate.

##### **1.05 QUALITY ASSURANCE**

- A. Have Mohawk Group flooring installed by an installer qualified in the installation of resilient flooring.
- B. In accordance with the technical instructions in the installation instructions, use all accessories recommended by Mohawk Group when installing its flooring.
- C. Follow the instructions specified in the most recent version of Mohawk Group's installation instructions.

## 1.06 DELIVERY, HANDLING, STORAGE

- A. Deliver the flooring to the installation site in Mohawk Group's original packaging. Indicate the project name and handling instructions on the outside of the boxes.
- B. Advise the carrier of any damaged material and indicate it on the packing slip.
- C. Store the flooring inside, sheltered from extreme hot or cold temperatures. Place the material on a smooth level floor or where there is uniform solid support in a clean, dry well-ventilated area. The long-term storage temperature must be maintained between 65°F and 85°F. Protect adhesive and flooring material from freezing, extreme heat and direct sun exposure.
- D. Acclimatize the subfloor, all flooring material and adhesive for 48 hours before, during and after the installation by maintaining the room temperature between 65°F and 85°F. The pallets should be unstacked 24 hours prior to use.
- E. Afterwards, maintain the room temperature between 65°F and 85°F. Protect the material from direct sources of heat such as air vents and other types of heaters.
- F. Install the flooring after all other finishing work, including painting, have been completed.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURER

Mohawk Group, 160 S. Industrial Blvd, Calhoun GA 30701 Telephone 800.241.4494. Website:  
[www.mohawkgroup.com](http://www.mohawkgroup.com)  
Contact:

Substitutions or Equals:

1. Substitutions are allowed only if they meet the following criteria:
  - a. Acceptance of alternate product(s) that are accepted as equals must be approved by parties (including, but not limited to) parties that have material interest in the specifications including: Designer, Architect, End-User, and Flooring Contractor.

### 2.02 MATERIALS

#### DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

<b>Style Name</b>	<b>Creative Terrain II C2117</b>
Collection	Creative Terrain II
Product Type	Homogenous Resilient Tile
Overall Thickness	3 mm
Surface Profile	Smooth Finish
Edge Profile	Squared Edge
Size	36" x 36"
Square Feet Per Carton	54 s.ft. per ctn
Pounds Per Carton	64.5 lbs per ctn
Pieces Per Carton	6
Installation	Brick Ashlar, Monolithic, Vertical Ashlar
Installation Method	Glue Down
Classification	ASTM F1700, Class I; Type A
<b>Sustainability</b>	
Embodied Carbon	10.20 kg CO2 e/m2
Carbon Handprint	-0.51 kg CO2 e/m2
Beyond Carbon Neutral	-10.71 kg CO2 e/m2
Material Health	Free of Orthophthalates and Heavy Metals
LEED	Calculate LEED on Ecomedes
MindClick Rating	Achiever Country of Origin USA
Certification	Environmental Product Declaration, Health Product Declaration

Indoor Air Quality  
Carbon

FloorScore®  
Net-Positive Carbon (Neutral +5%)

Refer to the product's Technical Specifications data sheet for detailed specifications.

Choose from any of Mohawk Group's complete line of colors (indicate the item number).

*All specifications are subject to normal manufacturing tolerances.*

## 2.03 PERFORMANCE REQUIREMENTS

Static Load Limit ASTM F970- Passes, modified at 2500 PSI  
Slip Resistance NFSI B101.1/NFSI B101.3- NFSI Certified Slip Resistant  
Warranties Limited 25-Year Wear Warranty, Limited Lifetime Manufacturing Defects  
Warranty, Limited 25-Year Under Hospital Bed Warranty\*

\*When installed with approved adhesives.

For detailed adhesive and installation information, visit [mohawkgroup.com](http://mohawkgroup.com)

## 2.04 ACCESSORIES

**Mohawk Group Total Bond Adhesive:** Slabs up to 100% in situ RH (per ASTM F2170); pH of 12.

**Mohawk Group FlexPress Adhesive:** Slabs up to 99% in situ RH (per ASTM F2170); pH of 5-12

**Mohawk Group Resilient Sheet Weld Rods:** Available as needed for Sanitary Seams.

## 2.05 OTHER MATERIAL

- A. Subfloor repairs: use a good-quality Portland cement-based compound modified with latex that has a minimal resistance to compression of 3500 lbs/sq. in. (246 kg/cm<sup>2</sup>). to fill, smooth or level subfloor imperfections.
- B. Self-levelling underlayment: use a Portland cement-based self-levelling underlayment modified with a polymer that has a minimal resistance to compression of 3500 lbs/sq. in. (246 kg/cm<sup>2</sup>).

## PART 3 – EXECUTION

### 3.01 SITE INSPECTION

- A. Examine the subfloor before installation to ensure that the surface is clean, dry, smooth, structurally sound and free from foreign substances that may adversely affect adhesion or cause discoloration. Furthermore, ensure that the subfloor is free of paint, varnish, adhesive, oil, grease, solvent and other foreign substances, including treatment compounds, sealers and curing compounds that may adversely affect adhesion or alter the appearance or durability of the flooring.
- B. Verify the surface to ensure there is no powder, scaling or mold. If there is, remove it with a mechanical sander and level with a good-quality cement-based Portland primer.
- C. Slabs that have been either using a curing agent or a sealer will have to be treated to ensure that the adhesion has not been impaired.
- D. Do not install on cement slabs that have been subjected to adhesive chemical abatement, unless an approved remediation system was used afterwards.
- E. Report and rectify all unsatisfactory conditions. Do not start flooring installation until all rectifications have been completed.

### 3.02 SUBFLOOR PREPARATION

- A. Level all rough surfaces and fill cracks and marks with a Portland cement-based patching compound modified with latex.
- B. Mechanically remove all surface contaminants such as paint, oil, grease, varnish, adhesive as well as various other products such as treatment compounds.

- C. Measure the humidity and pH levels (in situations where pH testing is required) in compliance with the following standards before installation:
  - 1. ASTM F 2170, Relative Humidity (RH) test using in situ probes.
  - 2. ASTM F 710, pH levels (test procedure 5.3.1).
  - 3. The ASTM test frequency recommendation is 3 measures for the first 1,000 sq. ft. (92.9 sq. m) and one measure for each additional 1,000 sq. ft. (92.9 sq. m).
- D. Ensure Moisture, Relative Humidity and pH tests have all been conducted and measurements meet manufacturer's recommendations.
- E. In case of doubt, test the adhesion on the cement subfloor or other surface that will be covered by the flooring. Do the test using the specified flooring and recommended adhesive.

### 3.03 RESILIENT FLOORING INSTALLATION

- A. Install the flooring according to the latest version of Mohawk Group's installation instructions. Use the tools, adhesives, trowel types and procedures recommended in the instructions.
- B. Acclimatize the subfloor, all flooring material and adhesive for 48 hours before, during and after the installation by maintaining the room temperature at a minimum of 65°F. Afterwards, maintain the temperature between 65°F and 85°F.

### 3.04 CLEANING AND PROTECTION

- A. Remove all excess adhesive immediately after installation as recommended in Mohawk Group's installation instructions.
- B. Before allowing traffic after installation, consult and follow the recommendations in Mohawk Group's installation instructions.
- C. Following installation and cleanup, if the work of all other trades has not yet been completed, protect the flooring by laying sheets of non-staining brown Kraft paper, and then a layer of plywood sheets (rolls of non-staining heavy cardboard material could also be used for protection).
- D. Installation Company is responsible for performing the initial cleaning by following the instructions in Mohawk Group's Maintenance Instructions.

Please note that technical website documents prevail.

END OF SECTION