160 South Industrial Blvd.
Calhoun, GA 30701

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/$cm^2$ 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 (18°C) and 85°F (29°C). 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 (18°C) and 85°F (29°C). The pallets should be unstacked 24 hours prior to use.

E. Afterwards, maintain the room temperature between 65°F (18°C) and 85°F (29°C). 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, has been completed.

# PART 2 - PRODUCTS

## 2.01 MANUFACTURER

A. Mohawk Group, 160 S. Industrial Blvd, Calhoun GA 30701 Telephone 800.241.4494. Website: www.mohawkgroup.com

Contact:

B. 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) that have material interest in the specifications including: Designer, Architect, End-User and Flooring Contractor.

## 2.02 MATERIALS

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

| **Style Name** | **Angular Grain C2133** |
|---|---|
| Collection | Assembled Woods |
| Product Type | Loose Lay LVT |
| Construction | Commercial LVT |
| Overall Thickness | 5.0 mm (0.197") |
| Wear Layer | 20 mil (0.5 mm) |
| Finish | M-Force™ Ultra |
| Surface Profile | Embossed |
| Edge Profile | Squared |
| Size | 18" W x 18" L |
| Square Feet Per Carton | 27.02 sf/ctn |
| Pieces Per Carton | 12 pieces/ctn |

| | |
|---|---|
| Cartons Per Carton | 48 |
| Installation Method | Loose Lay |
| **Sustainability** | |
| Embodied Carbon Value | 6.42 kg CO2e/m2 |
| Beyond Carbon Neutral | -0.58 kg CO2e/m2 |

| | |
|---|---|
| **Style Name** | **Planked C2132** |
| Collection | Assembled Woods |
| Product Type | Loose Lay LVT |
| Construction | Commercial LVT |
| Overall Thickness | 5.0 mm (0.197”) |
| Wear Layer | 20 mil (0.5 mm) |
| Finish | M-Force™ Ultra |
| Surface Profile | Overall |
| Edge Profile | Squared |
| Size | 6” W x 36” L |
| Square Feet Per Carton | 17.98 sf/ctn |
| Pieces Per Carton | 12 pieces/ctn |
| Cartons Per Carton | 72 |
| Installation Method | Loose Lay |
| **Sustainability** | |
| Embodied Carbon Value | 6.43 kg CO2e/m2 |
| Beyond Carbon Neutral | -0.58 kg CO2e/m2 |

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
Warranties Limited 20-Year M-Force Ultra Commercial Warranty
*When installed with approved adhesives.
For detailed adhesive and installation information, visit **mohawkgroup.com**

## 2.03 ADHESIVES

N/A

## 2.04 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$^2$). to fill, smooth and/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$^2$).

## 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 resilient flooring.

B. Verify the surface to ensure there is no powder, scaling or mold. If found remove with a mechanical sander and level with a good-quality 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$^2$).

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 between 65°F (18°C) and 85°F (29°C). Afterwards, maintain the temperature between 65°F (18°C) and 85°F (29°C).

### 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. Follow the instructions in Mohawk Group's Maintenance Instructions when performing initial and regular maintenance procedures. It is important to establish which party is responsible for performing the initial maintenance process prior to installation.

## 3.05 FLOORING RECLAMATION

A. Accepted Flooring

- Broadloom Carpet
- Carpet Tiles
- Carpet Pad
- LVT
- VCT
- SPC
- RPC
- Sheet Vinyl
- Laminate

B. Process

1. Complete the reclamation form on our website.
2. Gather the flooring for recycling and load it in the provided container. *Flooring type and condition requirements must be met. Please see guideline document for details.
3. Receive a certificate showing your positive impact on the planet.

C. Contact

| | |
|---|---|
| Phone | (877) 3RE-CYCL or (877)373-2925, |
| Email | reclaim@mohawkind.com . |
| Website | Mohawk Recover |

Please note that technical website documents prevail.

END OF SECTION