



SECTION 09 65 16

RESILIENT SHEET 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/cm² or more
 - 2. ASTM E 662; Smoke Density: 450 or less.

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 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. Acclimate 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. Thereafter, maintain a minimum temperature of 55°F (13°C) in areas where work has been completed. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances. Refer to product installation recommendations for a complete guide on project conditions. 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: Amanda Lachance
amanda_lachance@mohawkind.com
204-291-7428
- 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) parties that have material interest in the specifications including: Designer, Architect, End-User, and Flooring Contractor.

2.02 MATERIALS

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

Medella C2048

Collection	Healthy Environments Resilient
Construction	Commercial Grade Homogeneous Resilient Sheet Vinyl Non-ortho Phthalate Construction
Overall Thickness	2 mm (0.08")
Finish	M-Force™ Ultra
Size	6' 7"
Installation	Glue Down
Flash Cove	All Seams must be heat welded. The use of cove stick is required at wall/floor junction. Mohawk M99 will provide excellent grab when used as a flash cove adhesive.

Sustainability

Floor Score	Floor Score Certified
Country of Origin	Europe
Beyond Carbon Neutral	-0.451
Carbon Handprint	-9.46 kg CO2e/ft2
Embodied Carbon	7.48 kg CO2e/ft2

Medella Fleck C2061

Collection	Healthy Environments Resilient
Construction	Commercial Grade Homogeneous Resilient Sheet Vinyl Non-ortho Phthalate Construction
Overall Thickness	2 mm (0.08")
Finish	M-Force™ Ultra
Size	6' 7"
Installation	Glue Down
Flash Cove	All Seams must be heat welded. The use of cove stick is required at wall/floor junction. Mohawk M99 will provide excellent grab when used as a flash cove adhesive.
Seaming Method	Mohawk Solid Color Heat Weld Medella Fleck Weld Rods
	Solid MFSWR 164 Linear Feet
	Patterned MFPWR 82 Linear Feet

Sustainability

Floor Score	Floor Score Certified
Country of Origin	China
Beyond Carbon Neutral	-0.43
Carbon Handprint	-9.02 kg CO2e/ft2
Embodied Carbon	8.59 kg CO2e/ft2

Medella Hues C2062

Collection	Healthy Environments Resilient
Construction	Commercial Grade Homogeneous Resilient Sheet Vinyl Non-ortho Phthalate Construction
Overall Thickness	2 mm (0.08")
Finish	M-Force™ Xtreme
Size	6' 7"
Installation	Glue Down
Flash Cove	All Seams must be heat welded. The use of cove stick is required at wall/floor junction. Mohawk M99 will provide excellent grab when used as a flash cove adhesive.
Seaming Method	Mohawk Solid Color Heat Weld Medella Hues Weld Rods
	Solid MHSWR 164 Linear Feet
	Patterned MHPWR 82 Linear Feet

Sustainability

Floor Score	Floor Score Certified
Country of Origin	China
Beyond Carbon Neutral	-0.43
Carbon Handprint	-9.02 kg CO2e/ft2
Embodied Carbon	8.59 kg CO2e/ft2

Medella Well C2063

Collection	Healthy Environments Resilient
Construction	Commercial Grade Homogeneous Resilient Sheet Vinyl Non-ortho Phthalate Construction
Overall Thickness	2 mm (0.08")
Finish	M-Force™ Ultra
Size	6' 7"
Installation	Glue Down
Flash Cove	All Seams must be heat welded.

Seaming Method	The use of cove stick is required at wall/floor junction. Mohawk M99 will provide excellent grab when used as a flash cove adhesive. Mohawk Solid Color Heat Weld Medella Well Weld Rods Solid MWSWR 164 Linear Feet
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Sustainability	
Floor Score	Floor Score Certified
Country of Origin	China
Beyond Carbon Neutral	-0.722
Carbon Handprint	-15.16 kg CO2e/ft2
Embodied Carbon	14.44 kg CO2e/ft2

Healthy Environments Collection styles are not recommended for environments where it could be exposed to oils and greases, whether mineral, animal or vegetable.

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 ADHESIVE

- M95.0 (RH up to 95% and pH between 8.0 and 10.0)
- M99 (RH up to 99% and pH of 12.0)
- Total Bond Adhesive
- Mohawk Vinyl Weld Rods

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/cm²) 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/cm²).

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 correct all unsatisfactory conditions. Do not start flooring installation until all corrections have been made.

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 the cement 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 tests for the first 1,000 sq. ft. (92.9 sq. m) and one tests for each additional 1,000 sq. ft. (92.9 sq. m).
- D. Ensure Moisture, Relative Humidity and pH tests have 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. Acclimate 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 (18°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 been completed, protect the flooring by laying sheets of non-staining brown Kraft paper and then a layer of plywood sheeting. Rolls of non-staining heavy cardboard material can also be used for protection.
- D. Follow the instructions in Mohawk Group's Maintenance Instructions when performing initial and regular maintenance procedures.

Please note that technical website documents prevail.

END OF SECTION