

**ÉCOLE ÉLÉMENTAIRE NOUVEL HORIZON  
621 QUAKER ROAD, WELLAND, ON  
CONSEIL SCOLAIRE VIAMONDE  
RFP- #23-140**

Project No. 23-32

Date: April 15, 2024

**ADDENDUM NO. 2**

THE FOLLOWING IS TO BE READ BY ALL TRADES AND INCLUDED IN THE CONTRACT  
This addendum consists of # of pages.

1. **Specification References**

1.1. **RUBBER TILE FLOORING – SECTION 09 65 19.33**

1.1.1. Include enclosed section.

**End of Addendum**

## **SECTION 09 65 19.33 - RUBBER TILE FLOORING**

### **PART 1 – GENERAL INFORMATION**

#### **1.1 SUMMARY**

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

#### **1.2 RELATED SECTIONS**

1. Section 3 – Cement: not covered in this section.
2. Section 6 – Wood and plastic: not covered in this section.
3. Section 7 – Thermal and humidity protection: not covered in this section.
4. Section 9 – Other sections containing information related to floor finishes: not covered in this section.

#### **1.3 REFERENCES**

1. ASTM F710: « Practice for preparing concrete floors to receive resilient flooring ».
2. ASTM E648: « Test method for critical radiant flux of floor covering systems using a radiant heat energy source ».
3. ASTM E662: « Test method for specific optical density of smoke generated by solid materials ».
4. ASTM F1869: « Standard test method for measuring moisture vapor emission rate of concrete subfloor using anhydrous calcium chloride ».
5. ASTM F2170: « Determining relative humidity in concrete floor slabs using in situ probes ».
6. ASTM F1344: « Standard specification for rubber tile floor covering without backing ».
7. ASTM E989: « Classification for determination of impact insulation class (IIC) ».
8. ASTM E492: « Standard test method for laboratory measurement of impact Sound transmission through floor-ceiling assemblies using tapping machine ».
9. ASTM F970: « Standard test method for measuring static load limit ».
10. ASTM F1515: « Test method for measuring light stability of resilient flooring by color change ».
11. ASTM G21: « Standard method of determining resistance of synthetic polymeric materials to fungi ».

#### **1.4 ITEMS TO DELIVER**

1. Provide the product's Technical Specifications data sheet as well as all Installation and Maintenance Instructions.
2. When required, supply floor drawings and installation plans.
3. Supply a set of samples measuring at least 12 cm (5 in) by 12 cm (5 in) of the complete range of colors and finishes chosen for the project.
4. When required, provide American Biltrite's attestation, certified by an independent laboratory, confirming that the flooring complies with the fire standards of the following tests:
  - 4.1 ASTM E648; Critical Radiant Flux: 0.45 watts/cm<sup>2</sup> or more;

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- 4.2 ASTM E662; Smoke Density: 450 or less.
- 5. Provide American Biltrite's Warranty Certificate.
- 6. Provide technical data sheet showing contributions to LEED:
  - 6.1 For LEED V4 MR BPDO, the product must have a third party certified Environmental Product Declaration (EPD Type III).
  - 6.2 For LEED V4 MR BPDO, the product must be certified Declare Red List Free.
  - 6.3 For LEED v4 EQ Credits, the product must be certified FloorScore® and supply the certificate number.

## **1.5 QUALITY ASSURANCE**

- 1. Have American Biltrite flooring installed by a qualified installer of this type of flooring.
- 2. In accordance with the technical instructions in the Installation Instructions, use all the accessories recommended by American Biltrite when installing its flooring.
- 3. Follow the instructions specified in the most recent version of American Biltrite's Installation Instructions.
- 4. Manufactured in a factory that has ISO 9001 and ISO 14001 certifications.

## **1.6 DELIVERY, HANDLING, STORAGE**

- 1. Deliver the flooring to the installation site in American Biltrite's original packaging. Indicate the project name and handling instructions on the outside of the boxes.
- 2. Advise the carrier of any damaged material and indicate it on the packing slip.
- 3. 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. Unstack the pallets. The long-term storage temperature must be maintained between 18°C (65°F) and 29°C (85°F). Protect adhesive and flooring material from freezing, extreme heat, and direct sun exposure.
- 4. Acclimatize the subfloor, all flooring material and adhesive for 48 hours before, during and after the installation by maintaining the room temperature between 18°C (65°F) and 29°C (85°F). The pallets should be unstacked 24 hours prior to use.
- 5. Afterwards, maintain the room temperature between 13°C (55°F) and 38°C (100°F). Protect the material from direct sources of heat such as air vents and other types of heaters.
- 6. Install the flooring after all other finishing work, including painting, have been completed.

## **PART 2 - PRODUCTS**

### **2.1 Manufacturer**

- 1. American Biltrite  
200 Bank Street  
Sherbrooke, QC, Canada, J1H 4K3  
Telephone: 819-829-3300
  - 1.1 Toll free: 1-800-437-8743  
Internet: [www.american-biltrite.com](http://www.american-biltrite.com)

## 2.2 RESILIENT FLOORING DESCRIPTION AND MINIMUM PERFORMANCE CRITERIA

1. Basis of Specification: ABPURE® tile flooring with patented Nfuse® technology. Acceptable alternate: Mondo – Harmoni.
  - 1.1 Description: ABPURE Nfuse is a collection of homogeneous rubber flooring available in tile format. It is PVC Free, phthalates free and has obtained the Declare Red List Free certification. It features the patented Nfuse technology for pure colors that last, as well as not requiring any waxing for the lifetime of the flooring.
  - 1.2 Meets homogeneous rubber tile ASTM F1344, Class I, A or B.
  - 1.3 Nominal thickness: 2.0 mm (ABT only) or 3.0 mm (0.079 in (ABT only) or 0.118 in).
  - 1.4 Sizes: 36 inches x 36 inches or 18 inches x 18 inches.
  - 1.5 Should have an IIC of 59 dB or higher (when measured according to ASTM E989 / E492 with suspended ceiling).
  - 1.6 Passes the ASTM F1515 UV light color stability.
  - 1.7 Meets requirements of the ASTM F970 norm for static load limit.
  - 1.8 Passes antimicrobial ASTM G21 norm.
  - 1.9 Needs to be FloorScore certified.
  - 1.10 Needs to be certified Declare Red List Free.
  - 1.11 Needs to have a third party certified environmental product declaration EPD type III.
  - 1.12 Product line:

Code	Description	Profile	Thickness	Size
ABT	ABPURE Imagine (Chip design)	Smooth	3 mm (0.118")	900 mm x 900 mm (35.500" x 35.500")

- 1.13 Colour to be selected by Consultant from Manufacturer's full range of colour in collection.
2. Adhesives
  - 2.1 Either use American Biltrite's AD-777, or AD-590 adhesive. AD-777 and AD-590 both cover 18.6 sq. m/3.8 litres (200 sq. ft./gallon) when applied with the recommended notched trowel.

## 2.3 OTHER MATERIAL

1. Subfloor repairs: use a good-quality Portland cement-based compound that has a minimal resistance to compression of 246 kg/cm<sup>2</sup> (3,500 lb./sq. in) to fill, smooth or level subfloor imperfections.
2. Self-levelling underlayment: use a Portland cement-based self-levelling underlayment that has a minimal resistance to compression of 246 kg/cm<sup>2</sup> (3,500 lb./sq. in).

## PART 3 – EXECUTION

### 3.1 SITE INSPECTION

1. 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

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curing compounds that may adversely affect adhesion or alter the appearance or durability of the rubber flooring.

2. 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.
3. Do not install without a remediation system if the concrete slab has been treated with a curing or sealing agent, added to the surface, or embedded in the concrete.
4. Do not install on cement slabs that have been subjected to adhesive chemical abatement unless an approved remediation system was used afterwards.
5. Report and rectify all unsatisfactory conditions. Do not start flooring installation until all rectifications have been completed.

#### **SUBFLOOR PREPARATION**

1. Level all rough surfaces and fill cracks and marks with a Portland cement-based patching compound.
2. The concrete surface must be flat to 3/16" for 10 feet or less.
3. Mechanically remove all surface contaminants such as paint, oil, grease, varnish, adhesive as well as various other products such as treatment compounds. Do not use solvent-based stripper.
4. Measure the humidity and pH levels in the cement in compliance with the following standards before installation:
  - 4.1 ASTM F1869, Anhydrous Calcium Chloride test for Moisture levels. The maximum allowable reading is:
    - 4.1.1 8 lb./1,000 sq. ft./24 hours (3.63 kg/92.9 sq. m/24 hours) for the AD-777 adhesive and 10 lb./1,000 sq. ft./24 hours (4.54 kg/92.9 sq. m/24 hours) for AD-590 adhesive;
  - 4.2 ASTM F2170, Relative Humidity (RH) test using in situ probes. The maximum allowable reading is 85% RH for AD-777 and 90% RH for AD-590.
  - 4.3 ASTM F710, pH levels (test procedure 5.3.1). The readings should be between 8 and 11;
  - 4.4 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).
5. Ensure Moisture, Relative Humidity and pH tests have all been conducted and measurements meet manufacturer's recommendations.
6. 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.

#### **RESILIENT FLOORING INSTALLATION**

1. Install the flooring according to the latest version of American Biltrite's Installation Instructions. Use the tools, adhesives, trowel types and procedures recommended in the instructions.
2. Acclimatize the subfloor, all flooring material and adhesive for 48 hours before, during and after the installation by maintaining the room temperature between 18°C (65°F) and 29°C (85°F). Afterwards, maintain the temperature between 13°C (55°F) and 38°C (100°F).

#### **CLEANING AND PROTECTION**

1. Remove all excess adhesive immediately after installation as recommended in American Biltrite's Installation Instructions.
2. Before allowing traffic after installation, consult and follow the recommendations in American Biltrite's Installation Instructions.
3. 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).
4. Follow the instructions in American Biltrite's Maintenance Instructions when performing initial and regular maintenance procedures.

**END OF SECTION 096519.33**

**END OF SECTION**