



**Miami Shores Village**  
**Request for Proposals**  
**No. 2019-11-01**  
**“Brockway Memorial Library North Expansion”**  
**Amendment #2 – December 10, 2018**

- 1) ***Design Criteria indicates that the DB must prepare their Own Survey and Geotechnical report to confirm what has been done by Owner. For the size of this project this is an added expense. Please confirm that Owner will provide CAD file of survey and accept the geotechnical report as currently provided.***

CURRENT SURVEY AND GEOTECH IN HAND SHOULD BE ACCEPTABLE FOR DESIGN AND PERMITTING PHASE. DB TEAM WILL BE REQUIRED TO COORDINATE THIRD PARTY TESTING COMPANY DURING CONSTRUCTION WHICH THE VILLAGE WILL PAY. HOWEVER, DB TEAM IS RESPONSIBLE TO PROVIDE FINAL AND UPDATED SURVEY OF COMPLETED WORK. CAD FILES CAN BE PROVIDED WITH SIGNATURE OF A WAIVER.

- 2) ***Design Criteria indicates that DB shall include cost of all permits. Section 01211 indicates an allowance for permits, but there is no value provided. On most Design Build projects the permit fees are handled as a reimbursable expense so the Owner only pays the actual cost of the permits. Request permit cost be handled as a reimbursable expense or an allowance amount be provided to include in the proposal.***

REMOVE ALLOWANCE, PERMIT COSTS WILL BE HANDLED AS A REIMBURSABLE

- 3) ***Page 11 of the Design Criteria indicates that DB is responsible for all wiring and equipment for voice, data, radio, and intrusion detection. There is no sufficient information provided for the pricing of these systems. Typically, we would provide empty conduits and pull strings, and then the Owner hires the vendors currently serving the existing building to provide equipment and wire. Please clarify.***

DB SHALL INCLUDE ALL CONDUITS AND PULL STRINGS AT THIS TIME.

- 4) ***Deductive alternate #4 would seem to indicate that the windows in the new addition are not to be hurricane impact rated. Please clarify intent.***

WINDOW IN THE ADDITION ARE TO BE HURRICANE IMPACT RATED. SHUTTERS ARE TO BE FOR ADDED SECURITY AND TO PROVIDE CONSISTENT LOOK.

- 5) ***There are two sections for “Carpet Tile” and “Resilient Tile” provided. Please clarify which section governs.***

CORRECTED SPECIFICATION SECTION(S) ARE THOSE CALLING FOR INTERFACE AS THE

MANUFACTURER OTHERS SHOULD BE DISREGARDED. **SEE ATTACHED SPECS SECTIONS.**

- 6) The response to Builders Risk deductible on Amendment #1 indicates a zero deductible. Please note that the cost of a Builders Risk policy with no deductible will be very expensive. Is it the intent that the DB include the cost of all potential deductibles in there bid.**

AT THIS TIME, THE INTENT IS A ZERO DEDUCTIBLE. HOWEVER, YOU MAY INCLUDE THE COST OF POTENTIAL DEDUCTIBLES IN THE BID FOR THE VILLAGE TO CONSIDER.

- 7) We request to delete the requirements stipulated in Section "H" Submissions contained in Page 4 & 5 of your instructions. All of this work will be completed after award of the contract and in consultation with the Village. The Design-Build team will utilize Alleguez's plans and specifications for this submission.**

THE VILLAGE WILL ALLOW THE USE THE DCP PLANS FOR PHASE 2 OF THIS RFP. HOWEVER, THIS DOES NOT ELIMINATE THE DESIGN BUILD TEAM'S RESPONSIBILITY TO TAKE FULL OWNERSHIP OF THE DESIGN AS AE OF RECORD. AS PART OF PHASE 2 OF THIS RFP, THE DB TEAM SHALL SUBMIT A PROPOSED SCHEDULE OF PROGRESS.

- 8) The Design-Build team will provide a detailed wall section with this submission.**

DB TEAM SHOULD SUBMIT ALL DOCUMENTS DEEMED NECESSARY TO RESPOND TO THE TECHNICAL CRITERIA

- 9) Please clarify that all permit fees will be paid for by the Owner. This would include Village, County and State fees.**

REPEATED QUESTION

REMOVE ALLOWANCE, PERMIT COSTS WILL BE HANDLED AS A REIMBURSABLE

- 10) Due to the upcoming Holidays, we request a time extension for submission until 1/11/2019. It is normal practice that Architects and Engineers offices are closed for the 2 weeks of Christmas and New Years.**

DUE DATE WILL BE EXTENDED

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### CARPET TILE

#### PART 1 GENERAL

##### 1.1 Description of Work

- .1 Provide and install all modular carpet and installation work as required by contract documents and their specifications.

##### 1.2 Quality Assurance

###### .1 Manufacturer –

- .1 The carpet manufacturer shall have no less than fifteen years of production experience with modular carpet similar to type specified.
- .2 Commitment to quality - Carpet manufacturer shall provide verification of registration to the ISO 9001/9002 Quality Management System.
- .3 Carpet manufacturer shall provide verification of registration in the ISO 14001 Environmental Management System.
- .4 Commitment to sustainability - carpet manufacturer shall demonstrate through programs of source reduction, recycling, reuse, water conservation and conservation of raw material usage its commitment to sustainability
- .5 Response to RFQ shall be accompanied by a letter confirming compliance with listed performance specifications signed off by an Officer of the Company.
- .6 Manufacturer shall make available a list of qualified minority, disabled, women and veteran owned carpet dealers capable of installation per manufacturer's installation instructions and provide contact information for each name supplied.
- .7 All products offered by the manufacturer shall be "standard running line" products and shall be available with no minimum order (single box availability).
- .8 Manufacturer shall guarantee availability of recycled content product.
- .9 The product warranty required herein shall be provided directly by the carpet manufacturer.

##### 1.3 Installation Provider –

- .1 The installation provider shall be directly responsible for the quality of the completed floorcovering installation, including the quality of both the materials and labor used in the installation.
- .2 The installation provider shall directly warrant to the end use all products, materials and services related to the floorcovering installation (including any

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floorcovering(s), or other products or materials used in the installation) meeting specifications set forth herein.

- .3 The installation provider shall have successful carpet installation experience on work similar to the work of this Section.

#### **1.4 Submittals** – Please submit each of the following with your proposal (unless otherwise noted):

- .1 Manufacturer's Data - Two (2) copies of carpet manufacturer's construction specifications, performance specification, environmental performance and installation instructions for carpet and related items specified.
- .2 Fiber Verification – Certification from the fiber producer verifying use of premium, type type 6 fiber with post consumer recycled content for the submitted carpet product. (Premium fibers are identified as Aquafil).
- .3 Fibers extruded by carpet mills will be considered “non-premium” for purposes of this specification.
- .4 All applicable product warranties provided by manufacturer.
- .5 Installation provider's proof of insurance, copy of contractor's license, and worker's compensation certificate.
- .6 Five (5) current project references for installation provider, with scope, date, and customer contact with phone number in compliance letter.
- .7 Samples – Customary (standard) size carpet samples of each type of carpet, in each specified pattern, color, and construction.
- .8 Any alternatives to specified product(s) or approved manufacturers, to be considered, shall be submitted for approval at least ten (10) working days prior to bid or proposal to be considered.
- .9 Maintenance Instructions - Two (2) copies of the manufacturer's carpet maintenance instructions.

#### **1.5 Warranty**

- .1 Provide the following written warranties by carpet manufacturer for a period of not less than 15 years:
  - .2 Wear - Surface fiber wear shall not be more than 10% by weight in 15 years. (Note: Wear warranty shall not require use of chair pads)
  - .3 Static - Static generation shall be less than 3.0 kV at 70° F, and 20% R.H.
  - .4 No delamination

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- .5 No edge ravel
- .6 No dimensional instability (i.e., shrinkage, curling and doming) which adversely affect the ability of the tile to lie flat
- .7 Mergeability\* - Carpet that is of the same style and colorway, but from different dyelots and/or manufacturing dates shall be mergeable and interchangeable, both at initial installation and at later selective replacement, to create a continuous carpeted surface with no tile appearing out of place
- .8 Submit manufacturer's National Voluntary Laboratory Accreditation Program (NVLAP) certified test results to show that carpet meets or exceeds product performance specification criteria for carpet testing requirements under Section 2.1 hereof.
- .9 Installation provider shall warrant all installation services will be free from defects in workmanship for a period of at least one (1) year following their completion, and that in the event of defective services, the installation provider will re-perform the effected services and, as necessary, supply new products of the same or similar grade sufficient to repair or replace products adversely affected.

## PART 2 PRODUCTS

### 2.1 MANUFACTURER

Interface South Florida

Telephone 800.634.6032 Web Site: [www.interface.com](http://www.interface.com)

Contact: Chasity Ferrer [chasity.ferrer@interface.com](mailto:chasity.ferrer@interface.com) Cell: 305.799.5819

Substitutions are not allowed.

#### **COLORS:**

OFFICE ONLY - The Light Box Pattern

MULTIPURPOSE ROOM WITH LVT - Parade M0222 and MO598; non-directionally random dispersed mix. Refer to Section 09650 Resilient Flooring for LVT

### 2.2 Structured Back Carpet Performance Standards. Carpet shall meet the following performance standards:

- |     |   |   |
|-----|---|---|
| 0.1 | Carpet Flammability                             |   |
|     | .1 Pill Test (ASTM D2859 or CPSC FF-1-70)       | Passes                                      |
|     | .2 Radiant Panel Test (ASTM E648)               | $\geq 0.45$ watts/cm <sup>2</sup> , Class 1 |
| 0.2 | Smoke Density (ASTM E662)                       | $\leq 450$ Flaming Mode                     |
| 0.3 | Dimensional Stability (Aachen Method Din 54318) | $\leq 0.1\%$ change                         |
| 0.4 | Static Generation at 70° F (AATCC)              | $\leq 3.0$ kV at 20% R.H.                   |

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	134 w/ neolite)	
0.5	Lightfastness (AATCC 16E)	≥ 4.0 after 60 hours
0.6	Gas Fade (AATCC 23)	4
0.7	Ozone Fade (AATCC 109)	4
0.8.1	Antimicrobial (ASTM E2471-05)	The carpet primary backing should display a minimum performance rating of "CI" (complete inhibition) or "PI" high (partial inhibition high < 10% coverage) against the three challenge microorganisms
<b>or</b> 0.8.2	Antimicrobial (AATCC 174, Part II)	≥ 90.0% reduction
0.9	Fungicidal (AATCC 174, Part III)	No growth
0.10	Soil/Stain Protection (AATCC 175-1991)	≥ 8.0 on the Red 40 Stain Scale
0.11	Sustainable Carpet Assessment Standard – NSF/ANSI 140	Platinum [Gold], as certified by 3 <sup>rd</sup> party
0.12	Carpet & Rug Institute Green Label Plus	Any and all products shall pass Carpet & Rug Institute Green Label Plus. Certification number of the specified product category shall accompany submittal.

**2.2a Product Construction Specification.** Modular carpet tile shall meet the following construction specifications: The Standard GlasBac

- .1 Yarn System: 100% Invista Type 6,6; Universal Type 6,6 or Aquafil Type 6 Nylon with post consumer recycled content. Fiber shall have a cross-section modification ratio no greater than 1.8. (Note: Bidder may propose yarn with a % of biobased material with satisfactory explanation of modification)
- .2 Dye Method: 100% Solution Dyed
- .3 Mergeability\* - Carpet that is of the same style and colorway, but from different dyelots and/or manufacturing dates shall be mergeable and interchangeable, both at initial installation and at later selective replacement, to create a continuous carpeted surface with no tile appearing out of place
- .4 Construction: Tufted
- .5 Patterning:: Integrated (topical application or wet printed patterning not allowed)
- .6 Texture: Tufted Textured Loop
- .7 Gauge: 1/12
- .8 Pile Height: 0.13 in.
- .9 Tufted Yarn Weight: Maximum 18 oz per yard (lower face weights are preferable if equal or superior performance can be substantiated by Texture Appearance Retention Testing)

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- .10 Primary Backing: Non-woven polyester. Woven primary backings not allowed.
- .11 Secondary Backing: Fiberglass Reinforced Thermoplastic Composite (polyolefin-free). Secondary backing shall be 100% recyclable at the end of its useful life and shall contain recycled content. Claims of 'recyclable' shall meet the Federal Trade Commission Part 260 -- Guides for the Use of Environmental Marketing Claims 260.7(d).
- .12 Soil/Stain Resistance: Application by fiber producer and manufacturer required.
- .13 Preservative Protection: Antifungal and Antibacterial ASTM E 2471-05 Standard Test Method for Use of Seeded Agar for Screening Assessment of Antimicrobial Activity in Carpet. Minimum allowable growth ratings on washed and unwashed carpet samples after 72 hours incubation are complete to partial inhibition (<10% sample coverage) on shaven primary and unshaven fiber layers. Or, if AATCC 174 Parts II & III (AATCC 171 Washed) is used, shall pass both Part II and Part III of AATCC 174 with a minimum of 90% reduction both gram negative and gram positive bacteria and no visible growth against the fungi.
- .14 Non Directional Installation Method: All product shall be designed for non directional installation.

### 2.3 Environmental Specifications

- .1 Recycled Content by total product weight: minimum of 63%-71% total recycled content.
- .2 Recycled versus Recyclable – Primary consideration will be given to carpet products in the following order of priority: (A) use of post consumer recycled content in both fiber and backing, (B) post consumer recycled content in the backing, (C) 100% recyclable product. Claims shall meet the Federal Trade Commission Part 260 -- Guides for the Use of Environmental Marketing Claims.
- .3 Product platform shall have a 3rd party verified Environmental Product Declaration following ISO 14025 guidelines and a 3rd party verified Life Cycle Assessment following ISO 14040 guidelines.
- .4 Carbon footprint of the Product – Proposal shall state the average quantity of greenhouse gas emissions associated with the entire life cycle of the product from raw material extraction through end-of-life, a description of any emission reduction credits used to offset the global warming footprint. If credits are claimed the proposal must identify, quantity claimed and the name of the 3<sup>rd</sup> party verifying this claim.

### 2.4 Minimum Antimicrobial Construction Standards

- .1 Preservative, registered by the EPA for use in carpeting, with broad spectrum efficacy against the growth of bacteria and fungi for a minimum of 15 years, assuming proper maintenance. The preservative ingredient shall meet standards set

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by the U.S. General Services Administration (GSA) for Antimicrobial Carpet as supported by independent lab testing less than six months old.

- .2 Manufacturer shall provide a stamped EPA technical data sheet for carpet. Preservative shall contain no arsenic, formaldehyde or heavy metals (tin, lead, mercury, silver, copper or zinc), be non-halogenated (no fluorine, chlorine, bromine or iodine) and non-phenolic. Blends of amine neutralized phosphated esters are preferable. Preservative shall have low water solubility (30ppm), a vapor pressure of 12mm Hg at 27° C, and an oral LD<sub>50</sub> toxicity rate less than 2.4 grams/kg.
- .3 The preservative shall be incorporated into the primary backing of the product during the manufacturing process, not topically applied to the carpet fibers.
- .4 The preservative treated carpet when new shall pass GSA parameters for treated carpets via AATCC method 174 parts II and III. Initial performance shall be 90% reduction of the microorganisms (*Staphylococcus aureus* 6538 and *Klebsiella pneumoniae* 4352) and no fungal growth on either the primary backing or fibers both on washed (AATCC method 174) and non-washed samples. The Standard Test Method for Use of Seeded Agar for Screening Assessment of Antimicrobial Activity in Carpet (ASTM E 2471-05) may be used in lieu of AATCC method 174 parts II and III.
- .5 The preservative treated carpet shall maintain, for the warranted life of the carpet, a minimum of 90% reduction of the microorganisms (*Staphylococcus aureus* 6538 and *Klebsiella pneumoniae* 4352) listed in AATCC method 174 part II, provided the carpet is maintained as specified. Additionally, the preservative treated carpet shall maintain a "no macroscopic growth" rating against *Aspergillus niger* 6275 at the primary backing in accordance with AATCC 174 part III.
- .6 The preservative shall be biodegradable and not toxic to non-target species as found acceptable by the US EPA.
- .7 Efficacy of the preservative should be documented in professional peer reviewed scientific publications.

#### 2.5 Related Materials

- .1 Leveling compound - Latex type as recommended by carpet manufacturer. Shall be compatible with carpet and curing/sealing compound on concrete.
- .2 Glue - Installation shall be free of the application of any wet adhesive.
- .3 Installation connectors - Compounded acrylic adhesive, applied to PET polyester backing with PET polyester release liner (clear 3" x 3" polyester squares with small quantity of a pressure sensitive adhesive applied on one side of the polyester film). The squares connect the carpet modules together to form a stable surface over almost any hard surface. The connectors shall contain no liquid components and shall have "zero" calculated VOC's.
- .4 Carpet edge guard, non-metallic - Extruded or molded heavy duty vinyl or rubber carpet edge guard of size and profile indicated, and with minimum two inch wide



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anchorage flange; colors selected by architect/designer from among standard colors available within the industry.

#### PART 3 EXECUTION

##### 3.1 Pre-Installation Requirements

- .1 All existing carpet and existing carpet waste shall be reused or recycled at no added cost. A reclamation plan shall be submitted in the proposal that will provide directions for the reclamation of all carpet at the job site. Carpet recycling options consist of:
  - .1 **Repurposing** - reusing the product in another application such as facilitating the donation of used carpeting to charities and other nonprofit organizations.
  - .2 **Closed Loop Recycling** - turning waste materials into new materials of the same value, such as vinyl backing into vinyl backing and nylon yarn into nylon carpet yarn.
  - .3 **Open Loop Recycling** – creating other product types from reclaimed carpet. For example, turning nylon face fiber into automotive parts or carpet padding, including nylon face fiber in recycled backings.
  - .4 **Waste-to-Energy** - using carpet for waste-to-energy. Method of generating power through the disposal of used carpet – usually accomplished through burning.
  - .5 **Landfill or incineration** – are not approved disposal methods.
- .2 **Description of Reclamation Services** - Carpet shall be removed by the successful contractor from any existing site and prepared for pickup based on the type of material and reclamation option selected. Documentation such as chain of custody must be provided for each and every job conducted under this contract during the term of the contract. Specifications for removal from the jobsite include:
  - .1 Removal of carpet tile for recycling
    - .1 Carpet tile shall be palletized and secured for shipping, (i.e., shrink wrap, banding, strapping).
    - .2 Carpet tile shall be kept dry and free of any moisture damage.
    - .3 Carpet tile shall be clean of any non-carpet debris.
  - .2 Removal of performance broadloom for recycling.
    - .1 Performance broadloom shall be rolled, palletized and secured for shipping. Cut pieces of performance broadloom shall also be acceptable, provided they are secured for shipping.

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- .2 Performance broadloom shall be kept dry and free from moisture damage.
- .3 Rolls shall be clean of any non-carpet debris, front and back, other than ordinary soiling in normal use.
- .3 Removal of broadloom carpet for recycling.
  - .1 Rolled carpet shall not exceed six (6) feet in length x one (1) foot diameter. Width may vary from 2 feet to 12 feet.
  - .2 Carpet shall be accumulated and kept dry for shipping and processing.
  - .3 Rolls shall be clean of any non-carpet debris, front and back, other than ordinary soiling in normal use.
- .4 Repurposing of carpet material.
  - .1 Approval of old carpet for possible donation shall be determined at the jobsite.
- .5 All possible recycling options shall be clearly presented and submitted in writing to owner and specifier prior to job start. A written description of the used carpet disposal process is required.
  - .1 Description shall contain information as to complete process of diversion from landfill.
  - .2 A certificate shall be furnished upon request verifying the reclamation of the carpet and the pounds of material diverted from the landfill.

### 3.2 Installation

#### .1 General

Comply with manufacturer's instructions and recommendations and in accordance with the Carpet and Rug Institute's Installation Standard. All product shall be installed installation description such as: a non directional installation, meaning that each and every tile can be installed in any of the four possible directions without regard to pile direction, pattern or orientation of any adjacent tiles while still creating a finished carpet tile assembly that appears to be a visually continuous carpeted surface with no tile appearing out of place or improperly positioned.

- .1 A "no-glue" waterless method of installation is preferred using materials described in 2.5.3 above. In the event a releasable glue method of installation is required, the following adhesive description applies. Adhesive shall be water-based and allow for removal of carpet tile at any time without damage to carpet or substrate. Adhesive shall contain antimicrobial preservative and have "zero" calculated VOC's.
- .2 Comply with manufacturer's instructions for subfloor evaluation for moisture and alkalinity. In the event the concrete subfloor does not meet

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moisture and alkalinity requirements as defined in manufacturer's installation instructions and the moisture vapor emission rates are less than 15 pounds and the alkalinity pH is less than 12.0, a moisture barrier such as MoistureGard 2.0 must be installed. Installation must comply with manufacturer's installation instructions. In the event the moisture vapor emission rate is higher than 15 pounds and the alkalinity is higher than a pH of 12.0, additional remediation of the slab is required.

- .3 Install carpet under open-bottom obstructions and under removable flanges and furnishings, and into alcoves and closets of each space.
- .4 Provide cut outs where required. Conceal cut edges with protective edge guards or overlapping flanges.
- .5 Run carpet under open bottom items such as heating convectors, and install tight against walls, columns and cabinets so the entire floor area is covered with carpet. Cover over all floor type door closures.
- .6 Install edging guard at all openings and doors wherever carpet terminates, unless indicated otherwise.
- .7 Cutting shall be done in accordance with the manufacturer's recommendation, using the tools designed for the carpet being installed.
- .8 Use leveling compound where necessary. Any floor filling or leveling shall have a minimum of 4'0" of feather.
- .9 Expansion joints - Do not bridge building expansion joints with continuous carpeting.
- .10 Chair Pads shall not be recommended or required within installation instructions

### 3.3 Cleaning and Protection

- .1 On completion of the installation in each area, all dirt, carpet scraps, etc. shall be removed from the surface of the carpet.
- .2 Remove debris, and sort pieces to be saved from scraps to be repurposed or recycled.
- .3 Construction manager shall protect carpeting against damage during construction.
- .4 At the completion of the work and when directed by the construction manager, vacuum carpet using commercial dual motor vacuum of type recommended by carpet manufacturer. Remove spots and replace carpet where spots cannot be removed. Remove rejected carpeting and replace with new carpeting. Remove any protruding yarns with shears or sharp scissors.

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#### 3.4 Inspection

- .1 Upon completion of the installation, manufacturer and installer shall verify and certify by means of an affidavit of compliance that work is complete, properly installed and meets all specification herein.
- .2 Preliminary Acceptance - Upon completion of the carpet installation of each floor, such installation shall be inspected by owner, the construction manager and installation provider.

\*Mergeability refers to a selected group of products. In the event a non-mergeable yarn product is selected, these clauses should be removed. All other clauses would remain in force.

Revised 3/13/2014

**SECTION 09650  
RESILIENT FLOORING**

**PART 1 GENERAL**

**1.01 SUMMARY**

**A. Section Includes:**

- 1. Luxury Vinyl Tile**
- 2. Description of Work:** Provide and install all modular resilient flooring as required by contract documents and their specifications.

**1.02 SUBMITTALS**

**A. Submit each of the following with your proposal (unless otherwise noted):**

- 1. Manufacturer's Data - Two (2) copies of resilient manufacturer's construction specifications, performance specifications, installation instructions, maintenance instructions, and warranty for resilient flooring and related items specified.**
- 2. LEED v4 applicable Data**
- 3. Samples: Customary (standard) size samples of each type of LVT, in each specified pattern, color, and construction.**

**B. Qualification Data for Installer:**

1. The installation provider shall be directly responsible for the quality of the completed floorcovering installation, including the quality of both the materials and labor used in the installation.
2. The installation provider shall directly warrant to the end use all products, materials and services related to the floorcovering installation (including any floorcovering(s), or other products or materials used in the installation) meeting specifications set forth herein.
3. Installation provider shall warrant all installation services will be free from defects in workmanship for a period of at least one (1) year following their completion, and that in the event of defective services, the installation provider will re-perform the effected services and, as necessary, supply new products of the same or similar grade sufficient to repair or replace products adversely affected.
4. The installation provider shall have successful resilient flooring installation experience on work similar to the work of this Section.
5. The installation provider shall employ workers for this Project who are competent in techniques required by the manufacturer (trained or certified by the manufacturer) for resilient flooring installation.

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**RESILIENT FLOORING**

6. Installation provider's proof of insurance, copy of contractor's license, and worker's compensation certificate.
7. Five (5) current project references for installation provider, with scope, date, and customer contact with phone number in compliance letter.

**C. Qualification Data for **Manufacturer:****

1. Commitment to sustainability – resilient provider shall demonstrate through programs of source reduction, recycling, reuse, water conservation and conservation of raw material usage its commitment to sustainability
2. Response to RFQ shall be accompanied by a letter confirming compliance with listed performance specifications signed off by an Officer of the Company.
3. Manufacturer shall make available a list of qualified minority, disabled, women and veteran owned LVT contractors capable of installation per manufacturer's installation instructions and provide contact information for each name supplied.
4. All products offered by the manufacturer shall be "standard running line" products and shall be available with no minimum order (single box availability).
5. Manufacturer shall guarantee availability of fully recyclable resilient flooring product.
6. The product warranty required herein shall be provided directly by the resilient flooring provider.

**D. All applicable product warranties provided by manufacturer.**

1. Provide the following manufacturer's written warranty for a period of fifteen years from date of product invoice.
  - a. Resilient flooring products are warranted against excessive wear defined as complete removal of pattern and/or color due to normal traffic and assuming proper installation and maintenance according to manufacturer's guidelines.
  - b. Resilient flooring products are warranted against odor from plasticizer hydrolysis caused by moisture and alkalinity in concrete slabs up to manufacturer specified limits.
  - c. Resilient flooring products are warranted against manufacturing defects.

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- E.** Any alternatives to specified product(s) or approved manufacturers, to be considered, shall be submitted for approval at least ten (10) working days prior to bid or proposal to be considered. No custom alternatives will be accepted.
- F.** Maintenance Instructions - Two (2) copies of the manufacturer's resilient flooring maintenance instructions.
- G.** Submit manufacturer's National Voluntary Laboratory Accreditation Program (NVLAP) certified test results to show that resilient flooring product(s) meets or exceeds product performance specification criteria for resilient flooring testing requirements under Section 2.1 hereof.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

Interface South Florida  
 Telephone 800.634.6032 Web Site: [www.interface.com](http://www.interface.com)  
 Contact: Chasity Ferrer [chasity.ferrer@interface.com](mailto:chasity.ferrer@interface.com) Cell: 305.799.5819

Substitutions are not allowed.

COLOR: A00212 Cedar

**2.02 Luxury Vinyl Tile (LVT) Performance Standards.** Resilient flooring shall meet the following performance standards:

0.1	Radiant Flux (ASTM E648)	≥ 0.45 watts/cm <sup>2</sup> , Class 1
0.2	Smoke Density (ASTM E662)	≤ 450
0.3	Size & Squareness (ASTM F2055)	Passes, +/- 0.016 inch per linear foot
0.4	Thickness (ASTM F386)	Passes
0.5	IIC Sound Rating (ASTM E492-09)	57 IIC
0.6	Slip Resistance (ASTM D2047)	>0.55 wet/dry, ADA compliant
0.7	Static Load Limit (ASTM F970)	1500 psi
0.8	Flexibility (ASTM F137)	Passes
0.9	Resistance to heat (ASTM F1514)	Passes
0.10	Resistance to light (ASTM F1515)	Passes
0.11	Dimensional Stability (ASTM F2199)	Passes
0.12	Residual Indentation (ASTM F1914)	Passes
0.13	Resistance to Chemicals (ASTM F925)	Passes
0.13	Carbon Footprint	3 <sup>rd</sup> party verified Carbon Neutral
0.14	Indoor Air Quality	FloorScore®/CDPH 01350 Certified for Low-VOC emissions
0.15	Material Composition	Free of Ortho Phthalates, Added Formaldehyde and Heavy Metal Stabilizers
0.16	Ingredients and Life Cycle Impacts	Environmental Product Declaration
0.17	Sustainability Assessment	NSF/ANSI 332 Silver
0.18	LEED v4	Contributes to IEQ: Low emitting materials;

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**RESILIENT FLOORING**

- 0.19 End of Life M&R: EPD and EPR  
Fully recyclable LVT to Carpet Tile Backing  
Recycling

**2.03 Product Construction Specification.** LVT shall meet the following construction specifications:

**COLOR: LVT A00212 Cedar**

- .1 Construction: High performance luxury vinyl tile
- .2 Class / ASTM F1700: Class III Printed Vinyl Tile
- .3 Wear Layer Thickness: 22 mil
- .4 Total Thickness: 4.5 mm
- .5 Backing Class: Commercial Grade with sound absorption characteristics to meet IIC Sound Rating requirement.
- .6 Finish: Ceramor
- .7 Nominal Dimensions: Squares: 50 cm x 50 cm (19.69 in x 19.69 in); Planks: 25 cm x 1 (9.845 in x 39.38 in); when flooring design installation includes modular carpet, modular resilient dimensions must match modular carpet dimensions.
- .8 Installation Recommendation: Direct glue installation using manufacturer's recommended installation product and in compliance with manufacturer's installation guidelines.
- .9 Installation Method: All 50cm x 50cm square LVT products shall be designed for Ashlar, Brick, Monolithic, Non Directional and/or Quarter-Turn installation. All 25cm x 1m plank LVT products shall be designed for Ashlar and Herringbone installation.
- .10 When flooring design installation includes modular carpet, there shall be no carpet to resilient transition strips or layering added.

**2.04 Related Materials**

- .1 Leveling compound – Use only Portland based leveling and patching compound as recommended by resilient flooring provider.
- .2 Glue – Use only the manufacturer's recommended installation products and install according to manufacturer's installation guidelines.

**PART 3 EXECUTION**

**3.01 Pre-Installation Requirements**



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- .1 Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the work.
  - .1 Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with the proper installation of the resilient flooring.
  - .2 Proceed with installation only after unsatisfactory conditions have been corrected.

**3.02 Installation**

- .1 General

Comply with manufacturer's instructions and recommendations. All product shall be installed as per installation description – reference 2.2.9.
- .2 Comply with manufacturer's instructions for subfloor evaluation for moisture and alkalinity.
- .3 Install resilient under open-bottom obstructions and under removable flanges and furnishings, and into alcoves and closets of each space.
  - .1 Run resilient under open bottom items such as heating convectors, and install tight against walls, columns and cabinets so the entire floor area is covered with resilient.
  - .2 Cutting shall be done in accordance with the manufacturer's recommendation, using the tools designed for the resilient being installed.
  - .3 Use leveling compound where necessary. Any floor filling or leveling shall have a minimum of 4'0" of feather.
  - .4 Expansion joints - Do not bridge building expansion joints with continuous resilient.

**3.3 Cleaning and Protection**

- .1 Comply with manufacturer's written instructions for cleaning and protecting resilient.
- .2 On completion of the installation in each area, all dirt, resilient scraps, etc. shall be removed from the surface of the floor.
- .3 Remove debris, and sort pieces to be saved from scraps to be recycled.
- .4 Construction manager shall protect resilient flooring against damage during remainder of construction period.

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- .5 At the completion of the work and when directed by the construction manager, clean resilient floor as per the maintenance recommendations of the resilient manufacturer.

**3.4 Inspection**

- .1 Upon completion of the installation, manufacturer and installer shall verify and certify by means of an affidavit of compliance that work is complete, properly installed and meets all specifications herein.