



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving - PWGSC / Réception des soumissions  
- TPSGC  
11 Laurier St./ 11, rue Laurier  
Place du Portage, Phase III  
Core 0B2 / Noyau 0B2  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Clothing and Textiles Division / Division des  
vêtements et des textiles  
11 Laurier St./ 11, rue Laurier  
6A2, Place du Portage  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> CARPET TILES	
<b>Solicitation No. - N° de l'invitation</b> EP067-172868/B	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 20172868	<b>Date</b> 2017-06-26
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PR-757-73022	
<b>File No. - N° de dossier</b> pr757.EP067-172868	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-07-17</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Papineau (PR Div.), Alain	<b>Buyer Id - Id de l'acheteur</b> pr757
<b>Telephone No. - N° de téléphone</b> (613) 983-1927 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

**This second (002) amendment to the RFP is raised to delete the original version of Annex B –Specifications and replace it with this new version.**

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## **ANNEXE B**

### **SPECIFICATIONS**

#### **Part 1      General**

**The bidder must use the latest version of the all the references or standards specified in this document.**

#### **1.1      RELATED SECTIONS**

Section 096810 - Lift System for Modular Carpet Installations

#### **1.2      REFERENCES**

- American Association of Textile Chemists and Colorists (AATCC)
- AATCC 16, Color Fastness to Light.
- AATCC 23, Color Fastness to Burn Gas Fumes
- AATCC 129, Color Fastness to Ozone in the Atmosphere Under High Humidities.
- AATCC 134, Electrostatic Propensity of Carpet.
- AATCC 171, Hot Water Extraction for colourization, dimensional stability and permanency of finishes.
- ATCC 175, Stain Resistance Pile Floor Coverings.
- AATCC 189, Fluorine Content of Carpet Fibers.
- AATCC 165, Colorfastness to Crocking.
- American Society for Testing and Materials (ASTM International)
- ASTM D1055, Specification for Flexible Cellular Materials - Latex Foam.
- ASTM D1335, Tuft Bind of Pile Floor Coverings.

- ASTM D1667, Standard Specification for Flexible Cellular Materials-Vinyl Chloride Polymers and Copolymers (Closed-Cell Foam).
- ASTM D3936, Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering.
- STM D5252, Standard Practice for the Operation of the Hexapod Drum Tester.
- STM E84, Test Method for Surface Burning Characteristics of Building Materials.
- ASTM E648, Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
- ASTM E662, Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- Canadian General Standards Board (CGSB)
- CAN/CGSB-4.2 No.27.6-M91, Textile Test Methods-Flame Resistance-Methemine Tablet Test for Textile Floor Coverings.
- CAN/CGSB-4.2 No.77.1-94/ISO 4919, Textile Test Methods - Carpets - Determination of Tuft Withdrawal Force.
- CAN/CGSB-4.129-93, Carpets for Commercial Use.
- CAN/CGSB-25.20-95, Surface Sealer Floors.
- Carpet and Rug Institute (CRI)
- IAQ Carpet Testing Program.
- National Floor Covering Association (NFCA)
- Floor Covering Specification Manual 1998
- Underwriters' Laboratories of Canada (ULC)
- CAN/ULC-S102.2, Surface Burning Characteristics of Flooring, Floor Covering.

### **1.3 TESTING, SUBMITTALS AND SAMPLES**

#### **.1 TESTING**

- .1 At the time of product delivery to the work site, the Contractor must turn over a representative sampling range of materials for testing to the Departmental Representative. Note: The Departmental Representative must have full authority to select materials for testing from an unrestricted range of unopened, original containers or wrappings with Manufacturer's seals and labels intact, after materials have been delivered to the work site.
- .2 The following tests will be performed by an independent laboratory. This list is representative only and should not be considered comprehensive. Although date not noted below it is understood that the latest testing date to be used (eg: AATCC- 16 - 2004). Other tests may requested/conducted at the sole discretion of the Departmental Representative who will be responsible for all costs related to the testing:
  - .1 AATCC 16, Color Fastness to Light, minimum 4 after 40 hours.
  - .2 Testing against CAN/CGSB-4.129M, CAN/CGSB-4.161M, one quality in construction only for a light, medium and dark colour.
  - .3 Aachen/ISO 2551 Dimensional Stability, maximum .15 % change.
  - .4 ASTM D 3936-00 Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering. Minimum 3 lbs per inch/5 Newtons /cm
  - .5 Pile Density (calculation not test) - minimum 10 Kilotex. Provide calculations of determined kilotex.
  - .6 Appearance Retention Hexapod Drum Test, ASTM D5252 for 12,000 cycles, minimum rating of 3.0 using CRI TM-101 Reference Scales.
  - .7 AATCC 175, Stain Resistance: Pile Floor Coverings AATCC 171 minimum 2 washings as per AATCC 171 to simulate removal of topical treatments by hot water extraction, followed by: AATCC 175, minimum of 8 using AATCC Red Dye 40 Reference Scale.
  - .8 Soil Resistance: An average of 3 fluorine analyses AATCC 189 of a single composite sample to be a minimum of 300 ppm fluorine by weight when new and an average of 3 fluorine analyses of a single composite using AATCC 189 to be a minimum of 200 ppm fluorine by weight after 2 AATCC 171 (HWE) cleanings.

- .9 ASTM D1335, Tuft Bind of Pile Floor Coverings - minimum 35 N force.
- .10 CAN/CGSB 4.2, No. 27.6-M91, Textile Test Methods- Flame Resistance - Methemine Tablet Test for Textile Floor Coverings, sampling by CAN/CGSB-4.155, as required under the Hazardous Products Act.
- .11 Maximum flame spread rating 300, maximum smoke developed classification 500, when tested to CAN/ULC S102.2.
- .12 Smoke Density: (ASTM E-662)
- .13 AATCC 134, Electrostatic Propensity of Carpet: maximum 3500 v at 20% RH and 22°C
- .14 AATCC 165 Colourfastness to Crocking, greater than or equal to 4 wet, dry.
- .15 AATCC 164, Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidity for 2 cycles. Rating to AATCC Gray Scale for Colour Change.
- .3 Testing must be by an independent testing agency accredited to do the specified tests, by the Standards Council of Canada or by the U.S. National Institute of Science and Technology's National Voluntary Accreditation Program (NVLAP).
- .4 To be considered independent, a testing agency must not in any way be involved or have an interest in the manufacture or sale of the product being tested.
- .2 SUBMITTALS:
  - .1 Submit control submittals at time of tender submission in accordance with Section 010010 - General Instructions.
  - .2 Submit verification to demonstrate compliance with CAN/ULC S102.2-03.
  - .3 Submit proof that carpet has been tested and passed the Indoor Air Quality (IAQ) Carpet Testing Program requirements of the Carpet and Rug Institute (CRI) Green Label Plus Indoor Air Quality Test Program and the Canadian Carpet Institute (CCI).
  - .4 Submit report verifying that tuft bind meets requirements of CAN/CGSB-4.129 when tested to CAN/CGSB-4.2 No. 77.1.
  - .5 Submit 3rd Party Certification of the Modification Ratio of the fibre used in product specified. In the case where more than one fibre is used in a fibre system an equation on the percentage will be used (eg: two yarns: MR x percentage yarn A plus MR x percentage yarn B = MR of yarn system).

- .6 Submit list of each yarn colour as outlined in 2.1.13.4 (list yarn supplier, colour names and number) for example / sample submitted.
- .7 Submit duplicate architectural product folders, at time of tender submission, of products included in tender bid, which include a full range of colors.
- .8 Submit Third Party Testing of all tests listed in 2.2 Testing, with all related costs being the responsibility of the bidder.
- .9 Submit carpet manufacturer's installation instructions: Indicate special procedures and perimeter conditions requiring special attention.
- .10 Submit certification and description of carpet reclamation and recycling process.
- .11 During installation, after each and every floor is completed, submit Reclamation Certificate from existing carpet removed and recycled. Certificates must include contact information (name, phone number, e-mail address) from recycling facility. Note: Invoice will not be paid until Reclamation Certificate is submitted.

#### **1.4 PRODUCT DATA**

- .1 Submit product data in accordance with Section 010010-General Instructions.
- .2 Submit product data sheet for each carpet, adhesive including alternate installation to adhesive method, carpet protection and sub floor filler patching compound.
- .3 Submit WHMIS MSDS - Material Safety Data Sheets acceptable to Labour Canada and Health Canada for carpet adhesive and seam adhesive. Indicate VOC content.
- .4 Submit data on specified products, describing physical and performance characteristics, sizes, patterns, colours and methods of installation.

#### **1.5 CLOSEOUT SUBMITTALS**

- .1 Submit maintenance data in accordance with Section 010010 General Instructions: Include maintenance procedures, recommendations for maintenance materials and equipment, and suggested schedule for cleaning.
- .2 Schedule of carpet reclamation activities indicating following:
  - .1 Detailed sequence of removal work.
  - .2 Inventory of items to be removed and reclaimed.
  - .3 Proposed packing and transportation measures.

- .3 Reclamation agencies' records indicating receipt and disposition of used carpet.
- .4 Certification: Reclamation Agency to verify in writing that used carpet was removed and recycled in accordance with fibre manufacturer's reclamation program.
- .1 Record off-site removal of debris and materials and provide following information regarding removed materials:
  - .1 Time and date of removal;
  - .2 Type of material;
  - .3 Weight and quantity of materials;
  - .4 Final destination of materials.

## **1.6 QUALIFICATIONS**

- .1 Installer Qualifications
- .1 Flooring contractor requirements:
  - .1 Specialty contractor normally engaged in this type of work, with prior experience in installation of these types of materials.
  - .2 Certified by carpet manufacturer for carpet installation.
  - .3 Must not sub-contract labour without written approval of Departmental Representative.
- .2 Be responsible for proper product installation, including floor testing and preparation as specified and in accordance with carpet manufacturers written instructions.

## **1.7 REGULATORY REQUIREMENTS**

- .1 Prequalification: compliance with Health Canada regulations under "Hazardous Products Act", Part II of the Schedule, to CAN/CGSB 4.2-No.27.6.
- .2 Indoor Air Quality: compliance with CRI/CCI Green Label Plus Indoor Air Quality Program, CRI/CCI-IAQ requirements for maximum total volatile chemicals released into air. Label each carpet product with CRI/CCI-IAQ label.

## **1.8 DELIVERY, STORAGE, AND HANDLING**

- .1 Label packaged materials. For modular carpet products indicate nominal dimensions of tile and indicate installation direction if any.
- .2 Store packaged materials in original containers or wrapping with manufacturer's seals and labels intact.

- .3 Store carpeting and accessories in location as directed by the Departmental Representative. Store carpet and adhesive at minimum temperature of 18 degrees C and relative humidity of maximum 65% for minimum of 48 hours before installation.
- .4 Prevent damage to materials during handling and storage. Keep materials under cover and free from dampness.
- .5 Modular carpet: store on pallet form as supplied by Manufacturer. Do not stack pallets.
- .6 Refer to 3.9 Additional Materials
- .7 .

## **1.9 WARRANTY**

- .1 Provide 15 year warranty from date of invoice, for edge ravel, delamination, shrinking, stretching, dimensional stability, wear beyond 10% by weight of face fibre and static control.

## **Part 2 Products**

### **2.1 MODULAR CARET**

- .1 Project Requirement:
  - .1 Field Carpet: One modular carpet pattern/colour/texture is required, Type 1.
  - .2 Carpet Tile Dimensions:
    - .1 Minimum 50 cm x 50 cm, maximum 61 cm x 61 cm.
  - .3 Carpet: to CAN/CGSB 4.129 and as follows:
    - .1 Certified for flammability to Health Canada regulations under "Hazardous Products (Carpet) Regulations" Part II of the Schedule.
    - .2 Maximum flame spread rating 300, maximum smoke developed classification 500 when tested to CAN/ULC-S102.2.
    - .3 Certified to Carpet and Rug Institute's and the Canadian Carpet Institute's IAQ requirements. Carpet is to be CRI Green Label Plus Certified.
    - .4 Smoke Density (ASTM E-662)
    - .5 Performance as per description / tests outlined in Section 2.2, TESTING.
    - .6 Stain Resistance: Must be permanent and able to resist trafficking and numerous hot-water extractions without losing its effectiveness.

- .7 Permanent static control
- .4 Construction:
  - .1 Tufted-loop
  - .5 Pile Surface Appearance
    - .1 Type 1: Multi-Colour, Textured Pattern.
  - .6 Pile Fibre: CAN/CGSB 4.129.
    - .1 100% first quality, bulk continuous filament nylon, branded and certified, offering a construction and performance standards testing program by fibre producer for the carpet specified. Fibre shape to have maximum Modification Ratio of 2.2 for soil release capabilities. Minimum DPF (Denier per Filament) of 18.
  - .7 Pile Weight
    - .1 Minimum 576 gm/m<sup>2</sup> / 17 oz/sq yard
  - .8 Pile Density
    - .1 Minimum 10 Kilotex
    - .2 Density factor, minimum 22.5 kg/cu meter
  - .9 Yarn Dye Method
    - .1 Carpet Type 1: 100% solution dyed or a combination of solution dyed and maximum 30% yarn dyed.
  - .10 Colourization
    - .1 Carpet Type 1: 8 fibre colours, with colour selection to take into consideration the ability to mask soiling and staining.
  - .11 Primary Backing
    - .1 Non-woven.
  - .12 Secondary Backing
    - .1 PVC, polyolefin and other polymeric systems
    - .2 Density: as per ASTM D 1667.
    - .3 Dimensional Stability: ISO 2551 (Aachen Test), maximum 0.15% change.
    - .4 Delamination: ASTM D3936: minimum 5N/cm
    - .5 Meet NSF Gold
  - .13 Colour, texture and pattern to be selected from bidder's standard range of carpet product.

- .1 Pattern should be integrated within the face material and not applied after surface manufacturing.
- .2 Random or regular pattern as required (refer to 2.14, Installation)
- .3 Multiple colour tones in medium colour (not light nor dark) to reduce the visible effects of soiling and staining.
- .4 Field Carpet: Minimum 8 colours within one carpet tile.
- .14 Installation
  - .1 Type 1: Random / non-directional (installer places carpet on floor without any regard to arrows or patterning)
  - .2 Contractor must verify and obtain written approval for installation with the Departmental Representative on-site prior to installation.
- .15 Adhesives
  - .1 Releasable, pressure sensitive adhesive to conform to carpet manufacturers specifications.
  - .2 Water based releasable adhesives best suited for the project and for environmental or flexibility reasons.
  - .3 Alternate adhesive method may be required to be used at the discretion of the Departmental Representative. Method and materials to be recommended and approved by carpet supplier.
- .16 Recycling
  - .1 New Carpet: Must be eligible for recycling by the supplying mill or fibre producer within an existing program in place; submit program parameters.
- .17 Recycled Content
  - .1 Total product recycled content: minimum of 40% recycled content.

## 2.2 TESTING

- .1 Carpet tiles to meet or exceed all of the following tests with confirmation from a Third Party Testing organization for the carpet specified. Testing must be by an independent testing agency accredited to do the specified tests, by the Standards Council of Canada or by the U.S. National Institute of Science and Technology's National Voluntary Accreditation Program (NVLAP). To be considered independent, a testing agency must not in any way be involved or have an interest in the manufacture or sale of the product being tested. Submit Third Party Testing of all tests listed in 2.2 Testing, with all related costs being the responsibility of the bidder.

- .1 Soil Resistance: An average of 3 fluorine analyses AATCC 189 of a single composite sample to be a minimum of 300 ppm fluorine by weight when new and an average of 3 fluorine analyses of a single composite sample using AATCC 189 to be a minimum of 200 ppm fluorine by weight after 2 AATCC 171 (HWE) cleanings.
- .2 Stain Resistance: AATCC 171 minimum 2 washings as per AATCC 171 to simulate removal of topical treatments by hot water extraction, followed by: AATCC 175, minimum of 8 using AATCC Red Dye 40 Reference Scale.
- .3 Appearance Retention: Hexapod Drum ASTM D5252 for 12,000 cycles, minimum rating of 3.0 using CRI TM-101 Reference Scales or Vetterman Deum ASTM D 5417 22000 cycles with a minimum rating of 3.0.
- .4 Permanent static control: to AATCC 134, 3500V maximum at 20% RH and 22°C.
- .5 AATCC 16, Color Fastness to Light, minimum 4 after 40 hours.
- .6 Aachen/ISO 2551 Dimensional Stability, maximum .15 % change.
- .7 ASTM D 3936-00 Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering. Minimum 3 lbs per inch/5 Newtons/cm.
- .8 Pile Density (calculation not test) - minimum 10 Kilotex. Provide calculations of determined kilotex. Equation:  $Kilotex = (\text{Denier} \times \text{Tuft Gauge} \times 2) / 58070$
- .9 ASTM D1335, Tuft Bind of Pile Floor Coverings - minimum 35 N force.
- .10 CAN/CGSB 4.2, No. 27.6-M91, Textile Test Methods- Flame Resistance - Methemine Tablet Test for Textile Floor Coverings, sampling by CAN/CGSB-4.155, as required under the Hazardous Products Act.
- .11 AATCC 165 Colourfastness to Crocking, greater than or equal to 4 wet, dry.
- .12 AATCC 164, Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidity for 2 cycles. Minimum rating of 4 on AATCC Gray Scale for Colour Change.

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Buyer ID - Id de l'acheteur  
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CCC No./N° CCC - FMS No./N° VME

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## **2.3 MAINTENANCE SEMINAR**

- .1 At the request of the Departmental Representative present a Maintenance Seminar attended by the carpet supplier representative as well as a technical representative from the carpet supplier or their approved delegate. Topics to be discussed with the Building Facility Manager and maintenance team/carpet cleaners are preventative maintenance, vacuuming, spot and soil removal, interim cleaning, restorative cleaning, materials and equipment and other maintenance related topics. A full and detailed carpet maintenance procedural plan may be required to be provided.