

PART 1 - GENERAL

1.1

Range of works

Non-exhaustive list:

1. Moving furniture
2. Surface preparation
3. Supplying and installation of carpet tiles
4. Protection of finished work
5. Installation coordination of thresholds, moldings and accessories

1.2

Related Works

Non-exhaustive list:

1. Carpet Recycling 02 42 13E
2. Demolition and refurbishing 02 41 17E
3. Flexible sheet lining 09 65 16E

1.3

References

- .1 American Association of Textile Chemists and Colorists (AATCC)
 - .1 AATCC 16-1998, Color Fastness to Light.
 - .2 AATCC 23-1999, Color Fastness to Burn Gas Fumes.
 - .3 AATCC 118-1997, Oil Repellency: Hydrocarbon Resistance Test.
 - .4 AATCC 129-2001, Colour Fastness to Ozone in the Atmosphere Under High Humidities.
 - .5 AATCC 134-2001, Electrostatic Propensity of Carpet.
 - .6 AATCC 171-2000, Carpets : Cleaning of; Hot Water Extraction Method.
 - .7 AATCC 174-1998, Antimicrobial Activity Assessment of Carpets.
 - .8 AATCC 175-1998, Stain Resistance : Pile Floor Coverings.
 - .9 AATCC 189-2001, Fluorine Content of Carpet Fibers.
- .2 American Society for Testing and Materials (ASTM International)
 - .1 ASTM D1055-97, Specification for Flexible Cellular Materials – Latex Foam.
 - .2 ASTM D1335-98, Tuft Bind of Pile Floor Coverings.
 - .3 ASTM D1667-97, Standard Specification for Flexible Cellular Materials-Vinyl Chloride Polymers and Copolymers (Closed-Cell Foam).
 - .4 ASTM D3936-00 Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering.
 - .5 ASTM D5252-98a, Standard Practice for the Operation of the Hexapod Drum Tester.

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- .6 ASTM D5417-99, Standard Practice for Operation of the Vettermann Drum Tester.
- .7 ASTM E84-01, Test Method for Surface Burning Characteristics of Building Materials.
- .8 ASTM E662-01, Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- .3 Office des normes générales du Canada (CGSB)
 - .1 CAN/CGSB-4.2 no27.6-M91, Résistance à l'inflammation – Essai à la tablette de méthénamine des revêtements de sol textiles.
 - .2 CAN/CGSB-4.2 no 77.1-94/ISO 4919 :1978, Tapis-moquettes – Détermination de la force d'arrachement de touffes.
 - .3 CGSB 4-GP-36M-78, Thibaude type fibre.
 - .4 CAN/CGSB-4.129-93(C1997), Tapis pour utilisation commerciale.
 - .5 CAN/CGSB-25.20-95, Apprêt pour planchers.
- .4 Carpet and Rug Institute (CRI)
 - .1 CRI-104-96, Standard Installation of Commercial Carpet.
 - .2 IAQ Carpet Testing Program.
- .5 Association nationale des revêtements de sol (ANRS)
 - .1 Floor Covering Specification Manual 1998.
- .6 Laboratoires des assureurs du Canada (ULC)
 - .1 CAN/ULC-S102-M88(C2000), Caractéristiques de combustion superficielle des matériaux de construction et des assemblages.
 - .2 CAN/ULC-S102.2-M88(R2000), Caractéristiques de combustion superficielle des revêtements de sol et des divers matériaux et assemblages.

**1.4
Technical data sheet and
samples**

- 1. Submit technical data sheet as required by section 01 33 00E – Submittal procedures.
- 2. Technical data sheet must be submitted for each proposed reparation product, adhesive and type of carpet, underlay and protection coating.

**1.5
Guarantee**

- 1. Provide a written document signed and given in the name of the ministerial representative, guarantying carpet installation for a period of five (5) years, starting at date of provisory approval of works and prescriptions for additional general conditions.

**1.6
Scheduling**

- 1. **Work carried out in two phases, see drawings limits.**
- 2. **Scheduling, see section 01 32 18E** and directive Ministerial representative.
- 3. The place of work is within an occupied building.

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**1.7
Guarantee**

1. Provide a certificate of guarantee, signed and issued on behalf of the Ministerial representative, stating that all the works in this section are warranted against defects for a period of five (5) years from the date of signature of the certificate of provisional acceptance work. Comply with section 01 78 00E.

PART 2 - PRODUCTS

**2.1
Carpet tiles**

1. Floor finish corresponds to the following specifications:
 - a. Manufacturer : **Shaw**
 - b. Style : **Visible tile 5T002**
 - c. Size : 610 x 610mm
 - d. Color : **Architect's choice**
2. Installation pattern :
 - a. Ashlar
 - b. Final pattern must be coordinated on site with Ministerial Representative before installation is started.
3. Back 5% of the amount (carpet and accessories) to the Ministerial representative as replacement materials.
 - a. Material and additional material must come from the same production batch as the installed material.
 - b. Carpet wrap and adhesive bucket must be properly identified.
 - c. Put on pallets according to the amount recommended by the manufacturer maximum;
 - d. Ensure that pallets are properly wrapped to ensure safe handling;
 - e. The batch of supplementary mat must be delivered at the end of the project, so as not to clutter the scene. Provide the location identified by the Ministerial representative.

**2.2
Accessories**

1. Autonivellant: one-component, cementitious and polymer modified.
2. Floor primer concrete: according to CGSB 25-GP-20M, Type 1.
3. Adhesive: as recommended by the carpet manufacturer. In addition to meeting the standards, the adhesive must be Zero VOC.

PART 3 - WORK

**3.1
Furniture**

1. Contractor must use furniture lifting method to free floor surface. The technic must be proposed and detailed for approval by ministerial representative before work starts. All the furniture must be move of lifted by the contractor.

2. The lifting method must allow all systems to remain plugged to their source, except for special equipment such as copier and printer. In these cases, equipment will be unplugged by the ministerial representative and moved by contractor.
3. The procedure must allow demolition and installation of the new carpet. The method must be safe.
4. Furniture must be protected to avoid damage. Protection must be provided for lifting and replacement work.

**3.2
Demolition**

1. Removal and disposal of existing carpet :
By the Contractor, section 02 42 13E.

**3.3
Preparation of surfaces**

1. Prepare floor as per ONGC 4-GP-156 standard and according to manufacturer documentation.

**3.4
Sill nosing**

1. Install metallic sill nosing to apparent framing edges of carpets and door sills under door median, as indicated on drawings.

**3.5
Installation of Carpet**

1. Install carpet tiles as per documentation of manufacturer. Adjust carpet well around architectural and mechanical works, around outlets and telephone, pieces of fixed furniture, pieces crossing floor and on edges of rooms, making it take the shape of the depression.
2. Seal with latex around all cuttings.
3. Install carpet on visitor's trap cover plates. Respect motifs and direction of velour. Direction and motifs must be approved by ministerial representative when sample is being put in place.
4. Install baseboards as per manufacturer documentation.

**3.6
Protection of finished works**

1. Vacuum carpet. Cover circulation areas with protective sheets for carpets. With tape, cover joints and edges of protective sheets to keep them in place.

**3.7
Sill moldings
Baseboards
Transition mouldings
Mouldings for declining sill**

1. Sill molding installation:
By the Contractor, section 08 71 10E.
Make sure the sill metal moldings are raised immediately after laying the carpet, the exposed edges of the carpet and door sills in the middle of the door as indicated in the drawings
2. Baseboard installation:
By the Contractor, section 09 65 16E.
Ensure that baseboards are placed immediately after laying the carpet all along the walls.

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3. Transition molding installation:
By the Contractor, section 09 65 16E.
Ensure that the transition mouldings are installed immediately after laying the carpet, where two (2) types of finish meet.
4. Moulding of declining sill installation:
By the Contractor, section 09 65 16E.
Ensure that special moldings are placed immediately after the installation of carpet, wherever there is carpet under doors and where declining sill have been specified.
5. Coordinate this work with those of the present section.

***** END *****